

	Total	N-Clones (208F-FE-8)	T-Clones (FE8-208F)
Number of sequenced cDNA clones	1257	669	588
Number of individual sequences	823	416	407
Sequence analysis			
Known genes (nr/Genbank)	427	207	220
Expressed Sequence Tags (dbest)	303	161	142
No similarity in data bases (new)	93	48	45
Expression analysis: Reverse Northern Analysis/con- ventional Northern Blot			
Differentially expressed	393	225	168
Known genes	244	126	118
Expressed sequence tags	104	74	30
New sequences	45	25	20
Not differentially expressed	194	86	108
Not detectable in expression analysis	236	105	131

Figure 1

Genes that are adjusted down by  
H-Ras-transformation

Genes that are adjusted up by  
H-Ras-transformation

[Key:]

Sequenzidentität (Genbank/EMBL) = Sequence Identity  
(Genbank/EMBL)

Spezies = Species

Zugriffs-Nr. = Access No.

Redundanz = Redundancy

Ausmaß der Regulation = Extent of Adjustment

Verifizierung = Verification

### Signalling Molecule

Gene herabreguliert durch H-Ras-Transformation

Gene heraufreguliert durch H-Ras-Transformation

Sequenzidentität (Genbank/EMBL)	Spezies	Zugriffs-Nr.	Redundanz	Ausmaß der Regulation	Verifizierung	Sequenzidentität (Genbank/EMBL)	Spezies	Zugriffs-Nr.	Redundanz	Ausmaß der Regulation	Verifizierung
Signalgebungsmoleküle											
3',5'-cyclic AMP phosphodiesterase	r	Z22867	1	>100	N1	AKAP-K1 (A kinase anchor protein)	m	AF033276	1	16.1	T1, R
Ahr repressor	m	AB015140	1	38.0	R	B61 (eck receptor ligand)	r	D38056	1	5.2	T2
cAMP-dependent protein kinase type II	r	M12492	1	>100	R	c-Ha-ras-1	h	V00574	1	17.0	T3
CSF-1 (colony stimulating factor-1)	r	M84361	2	5.6	N2, R	c-yes	m	X67677	1	12.5	T4
Gas-6	m	X59846	1	24.0	R	Calmodulin-dependent protein kinase II-delta	r	J05072	1	8.1	R
Guanine nucleotide-binding protein G-s alpha	r	M12673	1	3.6	N3	Cyclooxygenase 1	r	U03388	1	90.7	T5, R
I-TRAF (TRAF-interacting protein)	m	MMU59864	1	38.6	N4	Cytocentrin = Ral-binding protein 1	r	U28830	1	8.3	T6
IKK-complex-associated protein (IKAP)	h	AF044195	1	8.6	R	FKBP51 (T-cell-specific immunophilin)	m	U16959	1	68.2	T7
MARCKS	m	M60474	2	3.3	N5	FLIP (FLICE-like inhibitory protein)	m	U97076	2	>100	T8
MST2 kinase	r	AJ001529	2	21.6	R	GEF-H1	h	U72206	1	32.1	T9
Myo-inositol monophosphatase (IMP)	r	U84038	1	44.5	N6	GTP-binding protein RAD5	r	AF072935	1	>100	T10
P5 protein	ha	X62678	1	3.4	R	JAK1 protein tyrosine kinase 1	r	AJ000556	1	55.0	T11
Phosducin-like protein (PhLP)	r	L15354	2	>100	N7, R	MAP-kinase phosphatase (cpg21)	r	AF013144	1	27.9	T12, R
Phosphatidylinositol 3-kinase p110 beta	h	S67334	1	>100	N8	p67 (isoprenylated 67 kDa protein)	r	M80367	1	98.2	T13
Phosphatidylinositol 3-kinase p170	m	U55772	1	65.9	N9, R	Phosphatase 2A B56	h	L42373	2	50.6	T14
Protein tyrosine phosphatase delta (MPTP4)	m	D13903	1	1.9	R	Pkb kinase	r	Y15748	1	19.9	T15
ROK alpha	r	U38481	1	26.1	N10	R-esp2	r	L14463	1	>100	T16
Serum inducible kinase (SNK)	m	M96163	1	>100	N11, R	Rap1B GTP binding protein	r	U07795	1	21.0	T17
SH3 binding protein (SAB)	h	AD005047	1	3.5	R	Ras-GTPase-activating protein	m	AD001927	1	9.9	T18
						RhoC	m	X80638	2	6.7	R
						SDF1 phosphatase	h	U93181	1	27.1	T19, R
						Sprouty 2 (SPRY2)	h	AF039843	2	11.60	T20, R
						TDAG51	m	U44088	1	2.7	T21
						Tyrosine phosphatase LA-2a	r	D38222	1	12.2	T22

Figure 2



Figure 2 (Continuation a)

## Nuclear Proteins (Transcription Factors, DNA Processing Enzymes)

## Nukleäre Proteine (Transkriptionsfaktoren, DNA Prozessierungsenzyme)

AlINAK nucleoprotein	h	M80902	2	>100	N12	Alpha-prothymosin	r	M60664	1	2.4	R
ATP-dependent RNA helicase	m	U46690	1	8.9	N13	BRCA1-associated RING domain protein (Bard1)	m	AF057157	1	3.5	T23
IRG-1 (brahma homolog)	m	S68108	1	13.1	N14	cdc-like kinase (clk)	m	L29221	1	13.1	T24
CCAAAT/enhancer binding (C/EBP gamma)	r	X64403	1	16.6	N15	FEN-1 (flap endonuclease-1)	m	L26320	1	11.1	T25
Cdc21	m	D26089	1	3.9	R	Fra-1 (fos-related antigen 1)	r	M19651	3	>100	T26, R
Centromeric protein CENPC	m	U03113	1	39.2	N16, R	Histone acetyltransferase (GCN5)	h	AF029777	1	2.7	T27
Chromosome-associated polypeptide C (CAP-C)	h	AD019987	1	9.6	R	hNop56 nucleolar protein	h	Y12065	1	2.9	T28
DNA polymerase epsilon	h	AF036899	1	5.1	R	LAP1C (lamina-associated polypeptide 1C)	r	U19614	1	7.6	T29
DNA repair protein RAD50	m	U66887	1	3.4	N17, R	Myb-binding protein (P160)	m	U63648	1	5.9	T30
ERR1 transcription factor	h	U17163	1	9.6	N18	NF-1 transcription factor	m	U37635	1	71.8	T31
ETTF TEA domain containing transcription factor	m	D50563	1	7.4	N19	p100 transcriptional coactivator	h	U83883	1	4.9	R
Gti binding protein	h	U78524	1	41.7	N20	PEBP2b2	m	D14571	2	45.4	T32
hEC retinoblastoma-associated protein	h	AF017790	1	3.9	N21, R	RD (retinoblastoma protein)	r	D25233	1	6.5	T33
Helicase p68 (HUMP68)	h	AF015812	2	>100	N22, R	SA-1 (stromal antigen)	m	Z75332	1	89.1	T34, R
Histone H3.3	h	Z48950	2	5.8	R						
Ki-67 antigen	m	X82786	1	>100	N23, R						
LAP2 (Lamina associated polypeptide 2)	r	U18314	4	>100	N24, R						
Mouse zinc finger protein	m	D45210	1	5.6	N25						
mTFE3 (X-linked transcriptional activator)	m	S76673	1	3.6	R						
Nuclear autoantigen GS2NA	h	U17989	1	31.9	R						
Nucleoporin 155	h	AJ007558	1	15.2	N26						
Poly(ADP-ribose) glycohydrolase (hPARG)	m	AF079557	1	2.4	R						
Rnf4 transcription factor	m	U95141	2	64.9	R						
Single strand DNA-binding protein	h	AF077048	1	4.9	R						
STAT5a1 transcription factor	r	U24175	1	1.8	N27						
Topoisomerase I	m	D10061	1	20.1	R						
Topoisomerase II	r	Z19552	3	2.1	R						

Figur 2 (Fortsetzung a)

## Proteinprozessierung, Proteintransport und Proteinfaltungsmoleküle

26S proteasome subunit p55	h	AD003103	1	3.5	N28	Aminopeptidase P (APP)	r	AF038591	2	5.6	R
GRP94/endoplasmic	m	S69316	1	2.2	R	Chaperonin containing TCP-1 epsilon (CCT)	m	Z31555	2	2.2	T35, R
Heat shock protein 105	m	D67016	1	15.1	N29	Exportin	h	AF039022	4	48.5	T36
Heat shock protein 90	h	X15183	1	4.8	N30, R	GRP75	r	S78556	2	2.1	R

## Protein Processing, Protein Transport and Protein-folding Molecule

Figure 2 (Continuation b)

## Metabolic Enzymes, Transporters and Ion Channels

MG-160 (Golgi apparatus sialoglycoprotein)	r	U08136	1	2.3	R	HAUSP (herpes ass. ubiquitin-specific protease)	h	Z72499	1	28.8	R
Rsec6	r	U32575	1	56.0	N31	Importin alpha Q1	m	AF020771	1	10.6	R
Translocation protein-1	h	D87127	1	>100	N32	MPPB (mitochondrial processing peptidase beta)	r	L12965	1	4.3	R
						Ran-GTPase	m	S83456	1	19.7	T37
						Sec61	r	M96630	2	29.2	T38, R
						Sort1 (sortilin)	h	X98248	1	10.5	T39
						Translation initiation factor 3	h	U94855	1	5.7	T40, R

## Metabolische Enzyme, Transporter, Ionenkanäle

3- $\alpha$ -hydroxysteroid dehydrogenase isomerase	r	S63167	4	5.0	R	4F2hc intestinal type II membrane glycoprotein	r	U59324	4	2.9	T41
3-hydroxy 3-methylglutaryl coenzyme A synthase	r	X52625	2	12.7	R	ABC transporter MOAT-B	h	AF071202	1	10.8	T42, R
Aldehyde dehydrogenase	r	J03637	1	37.8	N33	Acyl-CoA synthetase I	r	D30666	1	4.1	R
Alpha-mannosidase II	m	X61172	1	6.3	R	Aldehyde reductase	r	D10854	1	4.0	T43
Antioxidant enzyme AOE372	m	U96746	1	1.8	N34	Asparagine synthetase	r	U07201	4	15.3	R
ATP56 (acetaminophen-binding protein)	m	S56599	1	58.7	R	ATP citrate-lyase	r	J05210	2	3.1	R
Apobec-1 binding protein 1	h	U76713	1	>100	N35	Bleomycin hydrolase	r	D87336	2	8.5	T44, R
CalBP1 (calcium binding protein)	r	X79328	2	4.7	N36	ClC-6a (chloride channel)	h	X99473	1	19.6	R
Calcium channel beta subunit-III	r	M88751	1	18.8	N37	Farnesyl pyrophosphate synthetase	r	M34477	2	3.3	T45, R
Dihydropyrimidinase related protein-3	h	D78014	1	2.3	R	Glucose-6-phosphate dehydrogenase	r	X07467	1	2.4	R
Glutamine synthetase	r	M91652	3	10.4	R	Glutathione reductase	r	U73174	1	2.7	T46, R
NADH dehydrogenase chain 5	r	X14848	1	2.5	R	Glvr-1 (leukemia virus receptor 1)	m	M73696	2	22.2	R
NADH dehydrogenase chain 6	r	X13220	1	5.3	R	MCT1 monocarboxylate transporter	r	X86216	1	7.5	R
NADP transhydrogenase	m	Z49204	1	12.3	N38	Mitochondrial trifunctional protein	r	D16478	1	2.4	T47
Phosphatidate phosphohydrolyse type 2	r	U90556	1	6.2	N39	Non-neuronal enolase (NNE)	r	X02610	5	2.5	R
Selenoprotein P	r	M63574	2	31.8	N40	NPC-1 protein	m	AF003348	1	3.1	R
						Phosphoglycerate mutase type B	r	S63233	4	5.6	R
						Stenroyl-CoA desaturase 2	r	AF036761	1	7.5	R
						Transcript ass. with monocyte differentiation	h	X85750	1	8.2	T48
						Transporter protein (g17)	h	U49082	1	4.2	R
						X-chromosome linked phosphoglycerate kinase	r	M31788	1	2.9	R

Figur 2 (Fortsetzung b)

Figure 2 (Continuation c)

## Cytoskeleton Components-Molecule Involved in Adhesion and Cell-Time Interaction

## Cytoskelett-Komponenten-Moleküle beteiligt an Adhäsion und Zell-Zell-Interaktion

ADP-280 (actin-binding protein / filamin)	h	X53416	1	5.8	R	Arp3 (actin-related protein 3)	h	AF006083	3	3.3	T49, R
Alpha-actin	r	X06801	5	4.2	R	Calcium-binding protein pp52 / LSP1 / WP34	m	M89956	2	29.7	T50, R
Cadherin-11	m	X77557	1	11.7	R	Calponin	r	U06755	1	5.2	R
Caldesmon	r	U18419	3	37.7	N41	CD44 glycoprotein	r	M61875	1	17.0	T51, R
Cytchesin-2	r	U70728	1	>100	N42	Laminin receptor	m	J02870	5	4.1	R
Gas-1	m	X65128	1	10.4	R	Leukocyte adhesion protein p150,95	h	Y00093	2	5.2	R
HSPG core fibroglycan (syndecan-2)	r	M81687	1	61.9	N43, R	MAGE-B gene cluster	h	U93163	2	15.3	T52
huEMAP microtubule associated protein	h	NM004434	1	26.9	N44	Myosin regulatory light chain	r	D14688	1	6.9	R
MLC-2	r	S77900	2	2.6	N45, R	TAT1 oncofetal gene	r	U00993	2	1.9	T53
P-cadherin	m	X06340	1	60.1	N46	Thymosin beta 4	r	M34013	1	2.4	T54, R
Podoplanin	r	U96449	1	9.4	R						
Ryudocan	r	S61868	6	27.7	N47, R						
Tropomyosin 4	r	Y00169	1	7.8	N48, R						
TRPM-2 / clusterin	r	M64723	1	39.4	N49						
Vimentin	r	X62952	1	1.6	R						

Figure 2 (Fortsetzung c)

## Extracellular Proteins

## Extrazelluläre Proteine

Collagen alpha1	r	Z78279	34	22.3	R	MMP-1 (Collagenase)	r	M60616	19	>100	T55, R
Cyr61 (immediate-early gene)	m	M32490	4	16.0	N50, R	MMP-3 (Stromelysin 1)	r	X02601	7	32.3	T56, R
Entactin/Nidogen	m	X14194	14	35.8	N51	MMP-10 (Stromelysin 2)	m	X05083	12	33.8	R
Fibrillin-1 (Fbn1)	m	U22493	1	3.3	R	Mob-1	r	U17035	2	2.4	T57, R
Fibronectin	r	X15906	25	>100	N52	Testin	m	X78990	1	8.9	T58
FISP-12	m	M70642	2	49.4	N53						
Follistatin-related protein, TSC-36	r	U06864	5	2.0	N54, R						
Laminin B1	m	M15525	1	5.0	R						
Lysyl oxidase	r	U11038	14	9.2	R						
Lysyl oxidase-related protein (WS9-14)	h	U89942	1	59.2	N55, R						
Megakaryocyte potentiating factor	m	D86370	3	6.0	N56						
MGF (mast cell growth factor)	m	U44725	1	13.4	N57						
MMP-2 (Gelatinase A)	r	U65656	3	50.6	N58, R						
Thrombospondin 1	m	M62470	25	42.5	R						
TIMP-2 (inhibitor of metalloproteinase 2)	r	S72594	1	18.3	N59, R						

Figure 2 (Continuation d)

## Others

Andere

AAIC11 (anti-apoptotic gene)	h	U83857	2	3.1	N60
Ania-6 (activity and neurotransmitter-ind. gene 6)	r	AF030091	1	10.2	R
Antiquitin	h	S74728	2	7.4	N61, R
ATP-dependent metalloprotease FtsH1	m	AF090430	1	21.3	R
CBP20 (CAP-binding protein)	h	X84157	2	5.0	R
Collapsin-2	c	U28240	1	>100	N62
DOC-2; p96 Phosphoprotein	r	U95177	1	>100	N63, R
E124 (p53 responsive gene)	m	U41751	4	5.5	N64
eIF-4A11 protein synthesis initiation factor	m	X56953	1	3.9	R
H411 precursor	ha	AF046870	1	>100	N65
Interferon induced gene	r	X61381	1	>100	N66
KIAA0045 (myeloblast)	h	D28476	1	16.3	R
KIAA0128 (myeloblast)	h	D50918	1	33.8	R
KIAA0235 (myeloblast)	h	D87078	1	4.8	R
KIAA0259 (myeloblast)	h	D87448	1	3.6	R
KIAA0332 (brain)	h	AB002330	1	20.8	R
L1 retroposon (ORF2)	r	X53581	5	20.2	R
LxRN3 (LINE 1 repetitive sequence)	r	M60824	1	26.2	R
Mama gene	r	AF065438	1	14.5	N67
Osteoglycin	m	D31951	5	2.7	R
p53BP2 (p53binding protein)	m	U58881	1	10.3	R
PEDP2a1	m	D14636	1	38.4	N68
pMEM2 (maternal embryonic message gene 2)	m	X95350	1	29.4	N69
SFRS7 splicing factor	h	L41887	2	10.4	R
WDNM2	r	X17464	1	>100	N70
Zinc-finger domain-containing protein	h	U90654	1	7.8	R
ZNF216 zinc finger protein	m	AF062071	1	6.7	R

Annexin IV

B-cell receptor associated protein 37 (BAP 37)	m	U72941	1	57.8	T59, R
BC-2 protein p32	m	X78683	2	42.8	T60, R
BCSC-1 (breast cancer suppressor candidate 1)	h	AF042384	1	2.8	T61, R
BP-1 (similar to Lysyl hydroxylase isoform 3)	h	AF002672	1	6.9	T62
C29 keratin-1 related	r	M18864	1	2.6	T63
Calmodulin (RCM3)	m	AB013607	1	6.4	R
E1B 19K/Bcl-2-binding protein homolog (Nip3)	r	M19312	2	2.8	T64
Fts353 activated in colon tumors	m	AF041054	1	63.0	T65
Glycyl-tRNA synthetase	h	AB024704	1	2.3	R
H1H1FB2216 rat fetal brain gene	h	U09510	1	12.0	R
Insulinoma Gene (rig)	r	AB015345	1	2.9	T66
KF04p protein	r	M19393	1	1.6	T67
KIAA0013 (myeloblast)	h	AF064093	1	16.0	T68
KIAA0310 (brain)	h	D87717	1	3.2	R
KJAA0431 (brain)	h	AB002308	1	6.0	R
KJAA0525 (brain)	h	AB007891	1	10.7	R
KJAA0544 (brain)	h	AB011097	1	2.5	R
KJAA0595 (brain)	h	AB011116	1	2.9	R
KJAA0597 (brain)	h	AB011167	1	9.4	R
LIM protein F1H.2	h	AB011169	1	2.9	R
LIM-protein F1H.3	m	AF055889	1	4.2	R
MAM domain protein	h	U60116	1	7.3	T69
Mu-calpain large subunit (clsl)	x	XLU37376	1	>100	T70, R
Neutrin	r	RNU53858	1	28.7	R
ORP150 (150 kDa oxygen regulated protein)	r	RNU88958	1	1.8	R
PHD finger protein 2 (PIHF2)	r	U41853	1	9.3	T71
Rscn3 (rat spinocerebellar ataxin type 3 gene)	h	NA_0053921	1	2.1	R
Seryl tRNA synthetase	r	Y12319	1	55.5	T72
Synexin (annexin VII)	h	M88136	3	2.4	R
TACC2	m	L13129	1	2.2	R
TSG101 (tumor susceptibility protein)	h	AF095791	1	2.3	R
Tyrosine phosphatase-like protein 1A-2n; PTP35	m	U52945	2	2.2	T73
	r	U40652	11	74.9	T74, R

Figur 2 Fortsetzung d)

Figur 2 Fortsetzung d)

Figure 2 (Continuation e)

## Expressed Sequence Tags (EST)

Down-adjusted ESTs

Up-adjusted ESTs

Exprimierte Sequenz Tags (EST)

herabregulierte ESTs				heraufregulierte ESTs	
ESTAA003402	ESTAA276763	ESTAA674746	ESTAA859477	ESTAA066174	ESTAA925028
ESTAA028510	ESTAA276806	ESTAA681418	ESTAA859644	ESTAA079499	ESTAA943118
ESTAA033320	ESTAA286358	ESTAA710096	ESTAA859740	ESTAA182063	ESTAA945179
ESTAA067238	ESTAA289129	ESTAA722531	ESTAA863640	ESTAA417685	ESTAI007739
ESTAA086565	ESTAA372927	ESTAA726511	ESTAA864031	ESTAA571144	ESTAI031015
ESTAA122792	ESTAA399748	ESTAA734740	ESTAA882328	ESTAA589539	ESTAI044161
ESTAA153720	ESTAA412823	ESTAA743557	ESTAA891207	ESTAA616986	ESTAI234525
ESTAA154450	ESTAA462855	ESTAA752120	ESTAA893976	ESTAA792426	ESTD76796
ESTAA161894	ESTAA497642	ESTAA759531	ESTAA899090	ESTAA798353	ESTHISAC001070
ESTAA163325	ESTAA516974	ESTAA764153	ESTAA899584	ESTAA800034	ESTW20810
ESTAA163444	ESTAA517260	ESTAA789552	ESTAA900577	ESTAA801415	ESTW65969
ESTAA170629	ESTAA517339	ESTAA793073	ESTAA901340	ESTAA847689	
ESTAA200432	ESTAA572112	ESTAA799790	ESTAA924035	ESTAA850112	
ESTAA203784	ESTAA575650	ESTAA800749	ESTAA986886	ESTAA850123	
ESTAA245968	ESTAA589518	ESTAA800908	ESTAI230694	ESTAA853333	
ESTAA266966	ESTAA607513	ESTAA801125	ESTI135777	ESTAA858918	
ESTAA267114	ESTAA646710	ESTAA817802	ESTW97088	ESTAA859425	
ESTAA268366	ESTAA667811	ESTAA819247		ESTAA891266	
ESTAA270146	ESTAA674143	ESTAA851788		ESTAA924000	
Neue Sequenzen					
25 neue Sequenzen				20 neue Sequenzen	

New Sequences

25 New Sequences

20 New Sequences

Figure 3

Sequence Identity (Genbank/EMBL)	Expression Strength	Sequence Identity (Genbank/EMBL)	Expression Strength
	208F FE8 FE8 +PD		208F FE8 FE8 +PD

Sequenzidentität (Genbank / EMBL)	Expressionsstärke			Sequenzidentität (Genbank / EMBL)	Expressionsstärke		
	208F	FE8	FE8 +PD		208F	FE8	FE8 +PD
3-hydroxy 3-methylglutaryl coA synthase	+++	+	+++	Bleomycin hydrolase	+	+++	++
ABP-280 (actin binding protein / filamin)	+++	++	+++	BRCA1-associated RING protein (Bard1)	0	++	+
Alpha-actin	+++	+	+++	E1B 19K/Bcl-2-binding protein (Nip3)	0	+++	++
Antioxidant enzyme AOE372	++	+	++	Exportin	+	+++	++
AP36 (acetaminophen-binding protein)	++	0	++	FEN-1 (flap endonuclease-1)	0	+++	+
Cdc21	++	0	++	FKBP51 (T-cell-specific immunophilin)	0	++	0
Centromeric protein CENPC (c)	+++	0	++	FLIP (FLICE-like inhibitory protein)	0	+++	+
Collagen alpha 1	+++	+	+++	GEF-H1	0	+++	0
CSF-1 (colony stimulating factor 1)	++	0	++	LAPIC (lamina associated polypeptide 1)	0	+++	+
DOC-2; p96 phosphoprotein	++	0	++	MAM domain protein	0	+++	+
ER31 transcription factor	+++	+	++	MAP-kinase phosphatase (cpg21) (c)	0	+++	0
ETF transcription factor	+++	0	++	MMP-10 (Stromelysin-2) (d)	0	+++	0
Fibronectin	+++	+	+++	MMP-3 (Stromelysin-1)	0	+++	0
Follistatin-related protein; TSC36	++	+	+++	Myb-binding protein (P160)	+	+++	+
GRP94 / endoplasmic	+++	+	+++	NF-1 transcription factor	0	++	0
Gu binding protein	+++	0	+	Non-neuronal enolase (NNE)	+	+++	++
Heat shock protein 90	++	0	++	ORP150 (150 kDa oxygen regulated)	+	+++	+
HSPG core fibroglycan (syndecan-2)	+++	0	++	p67 (isoprenylated 67 kDa protein)	0	+++	++
Interferon induced gene	+++	0	++	PKB kinase	0	+++	+
L1 retroposon (ORF2)	+++	0	++	Rap1B GTP binding protein (c)	0	+++	+
Laminin B1	+++	+	++	Ras-GTPase-activating protein	0	+++	+
Lysyl oxidase	+++	0	+	Rscd3 (rat spinocerebellar ataxia gene)	0	++	+
Lysyl oxidase-related protein (WS9-14)	++	0	+	SA-1 (stromal antigen)	0	+++	++
Mama gene	+++	0	+	Sort1 (Sortilin)	0	+++	++
MMP-2 (Gelatinase A)	+	0	+++	TSG101 (tumor susceptibility protein)	++	+++	++
mTFE3 (transcriptional activator)	++	+	++				
Nuclear autoantigen GS2NA	++	0	+++				
Osteoglycin	++	0	++				
P5 protein	+++	+	++				
P-cadherin	++	0	+++				
Phosducin-like protein (PhLP)	+++	0	+				
Serum inducible kinase (SNK)	+++	0	++				
STAT3a1 transcription factor	++	0	+++				
Thrombospondin 1	+++	0	+				
TIMP-2 (inhibitor of metalloproteinase 2)	+++	+	++				
TRPM-2 / clusterin (b)	+++	+	+++				

Sequence Identity (Genbank/EMBL)	Expression Strength			
	208F	FE-8 H-Ras	208F K-Ras	208F N-Ras

Sequenzidentität (Genbank / EMBL)	Expressionsstärke			
	208F	FE-8 H-ras	208F K-ras	208F N-ras
ABC transporter MOAT-B	0	++++	0	+
BCSC-1 (breast cancer suppressor candidate 1)	+	++++	0	+
Cyclooxygenase 1	+	++++	+	+++
E1B 19K/Bcl-2-binding protein (Nip3)	0	++	++++	++
EST AA743557	++++	+	0	++
EST AA792426	+	++++	+	+
EST AA924000	+	++++	+	++
ETF TEA domain containing transcription factor	++++	0	++	++
Farnesyl pyrophosphate synthetase	+	+++	0	+
FEN-1 (flap endonuclease-1)	0	++++	+	0
FLIP (FLICE-like inhibitory protein)	0	+	++	++++
JAK1 protein tyrosine kinase 1	+	++++	+	+
MAGE-B gene cluster	0	++++	0	0
MAP-kinase phosphatase (cpg21)	0	++	+++	++++
MARCKS	++++	0	+	+++
MMP-10 (Stromelysin 2)	0	++	++	++++
Mob-1 (l)	0	++++	++	+
mTFE3 (X-linked transcriptional activator)	++++	0	+	+
Myb-binding protein (P160)	+	++++	++	++
novel transcript N317	++++	0	++	++++
P-cadherin (c)	++++	0	0	++
Phosphatidylinositol 3-kinase p170	+++	0	+	++
Ras-GTPase-activating protein	0	++++	0	0
SBF1 phosphatase	0	++++	+	+
Serum inducible kinase (SNK) (l)	++++	0	+++	+++
Tyrosine phosphatase LA-2a (l)	0	++++	0	++

Figure 4

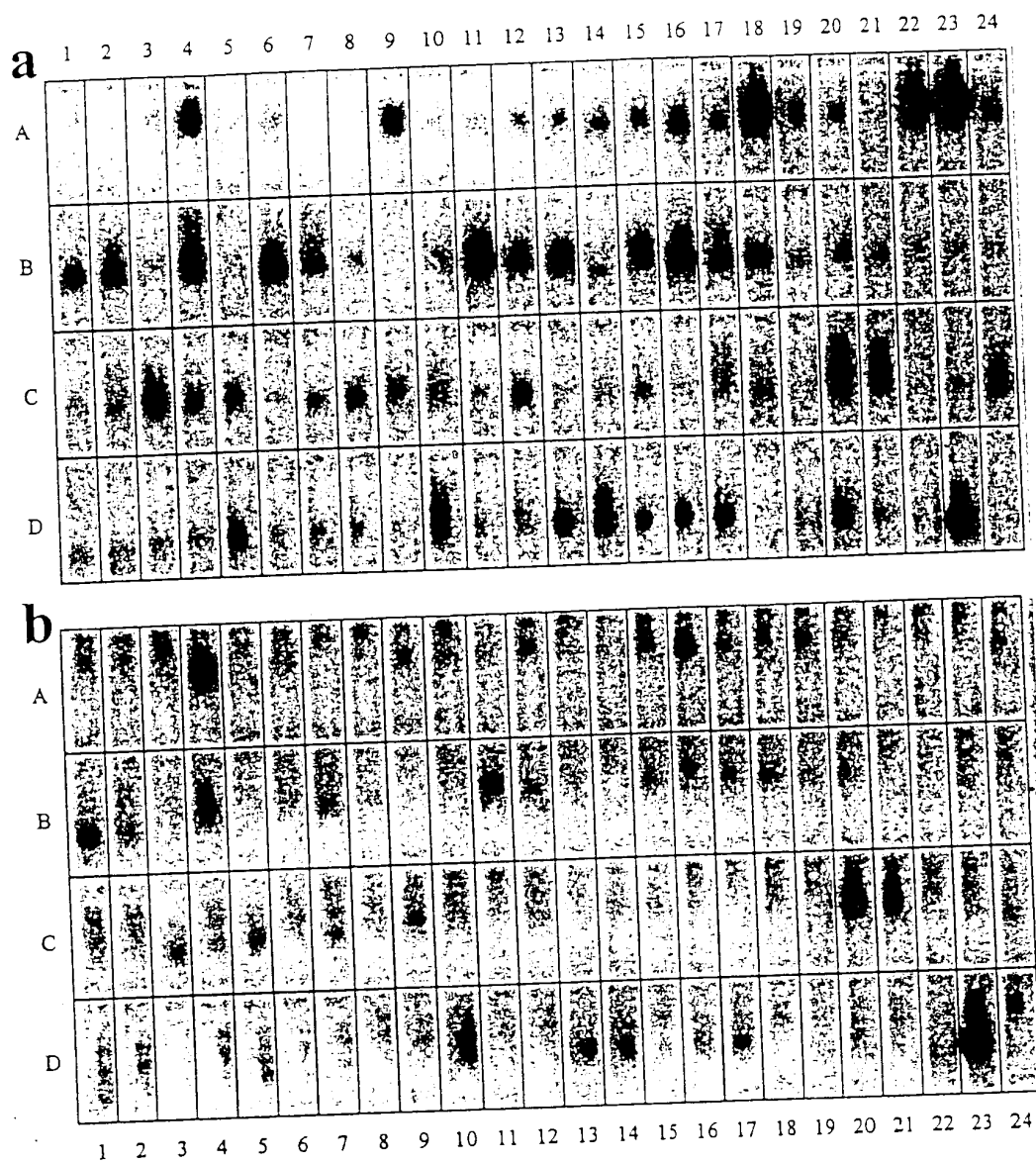


Fig. 5



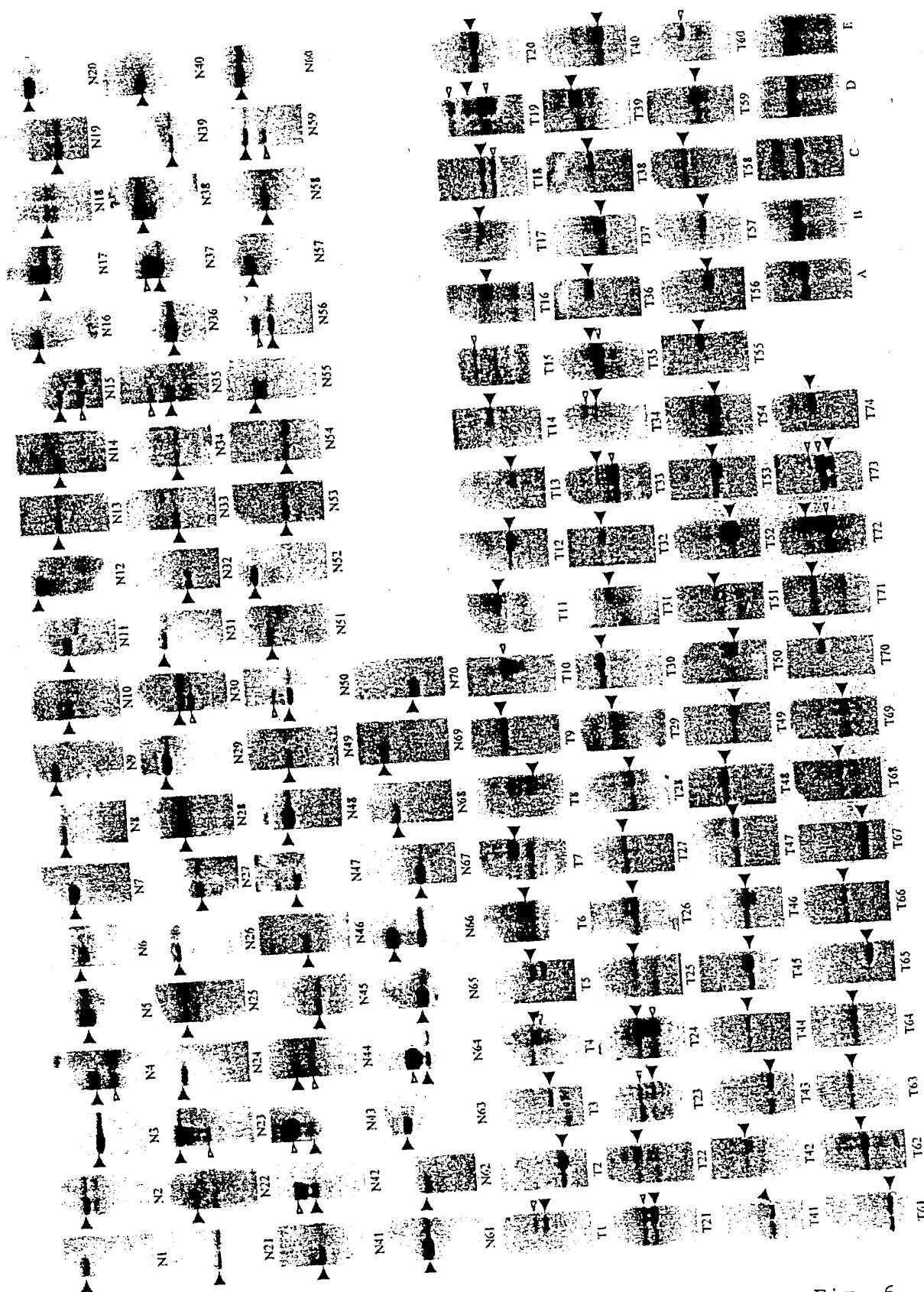


Fig. 6

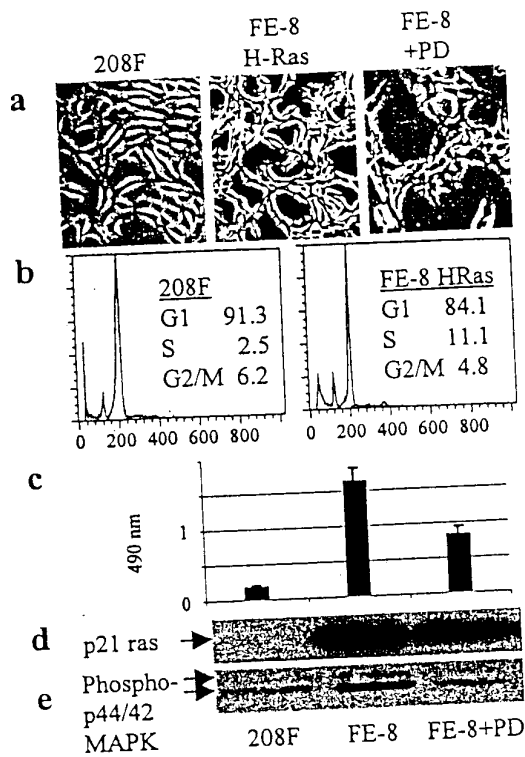


Fig. 7

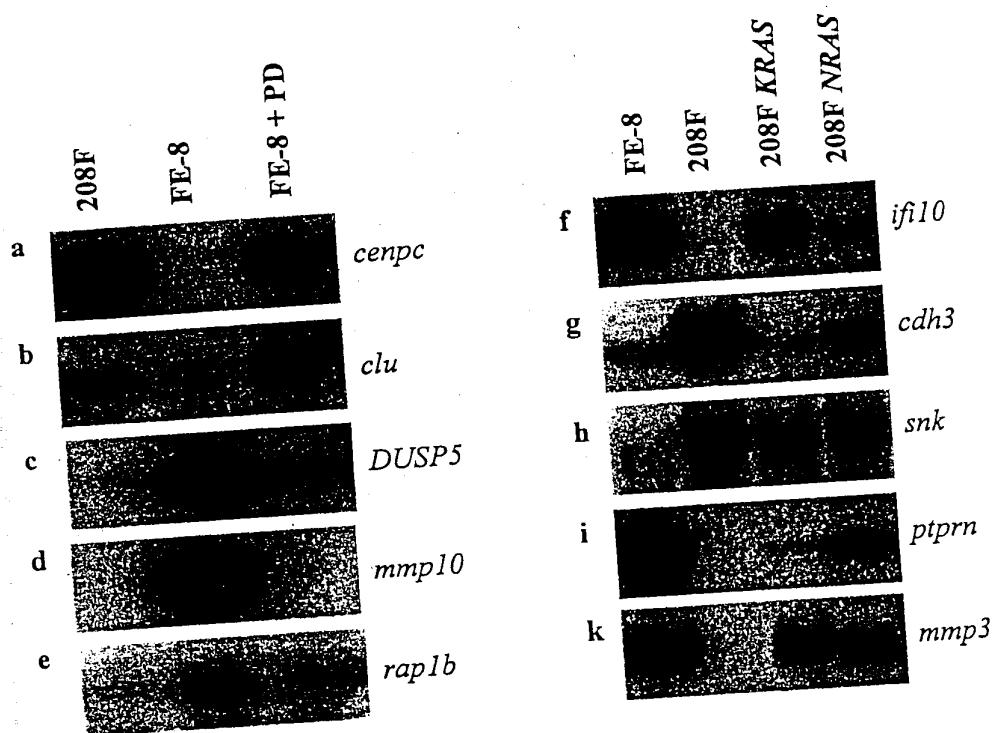


Fig. 8

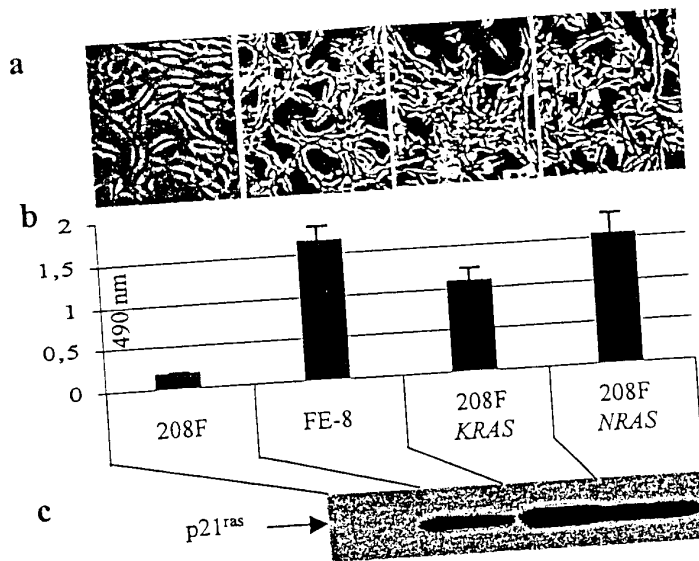


Fig. 9

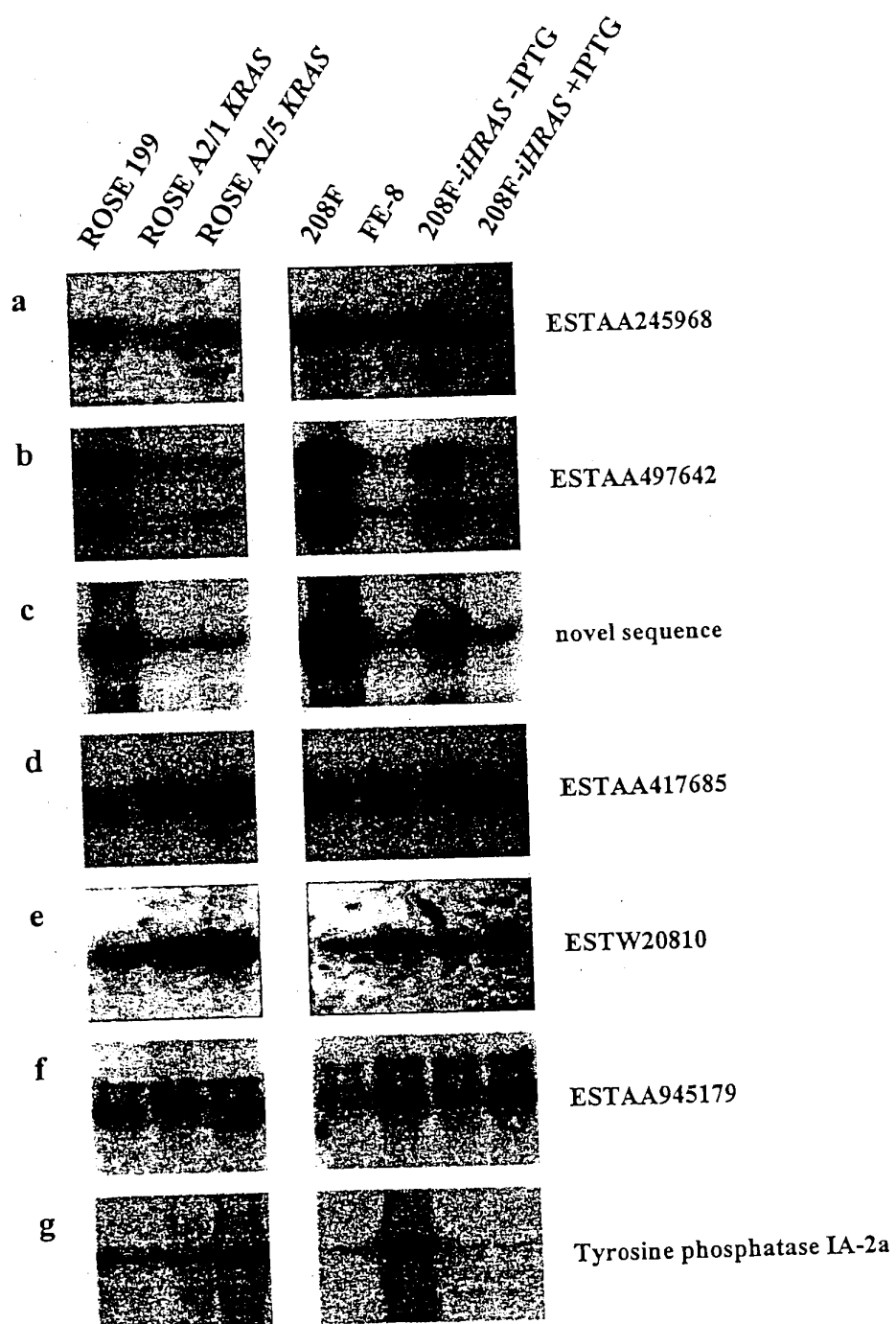


Fig. 10

Figur 11

Name: N1 Len: 255 Check: 1753  
 acactgttcc atgtggttct cctagcttca tccgtgaagg actgaggacc ttgtttatac 60  
 ttaacaaaac ccagatgcac caatttctga tgcctttttac tgttgtgtac aatctactta 120  
 agtgttttat ttctggcgaa agtattcagg ttgtgtgtgg acatcaggag totgaattot 180  
 gttcttactg attttgttcc atggttgaat tttaaaagtg ttttaacaatg aaggaaacttt 240  
 attctttagt caaaa 255

Name: N10 Len: 250 Check: 2392  
 acctccctgt ctgttaagaa ggcacatatg agattcttcg catgtttaga aatttctgta 60  
 tottcaggaa aacacagtga attttttatga tccataattt tgcgttaggt tcctacaagt 120  
 gaatctgcac aaaatggagt atcccttact aacatctcaa aaaggaaaac acctacagac 180  
 caccaatcac attctcgtcc atagtaacca tcacctcctt gtgatttcag aacctcaggt 240  
 gatatgtagt 250

Name: N100 Len: 255 Check: 15CB  
 acagactott gtatacagac ggaaagttag caaggactca actcgaccac atcaagtttt 60  
 cttgaaaagt gttracttta aacacttaaa gaaaaatata acttatctac atgtttgaat 120  
 agtctagaag gaaaaacaaa gccacgttca agacctgtg gagttgaaga ggacacggaa 180  
 acgtotcaat gaggtaatcc ttccactgtc totaaaagt cgcacagaaac tgagttagct 240  
 caccaggaca gattt 255

Name: N101 Len: 255 Check: 2081  
 acaagaaatc ctcaaagaaa gcggcgtggt ggagctgtga attctagaca aaccocagaag 60  
 cgaactcggg aaacaacttc aacccctgag atttcccttg aagcagaacc catagaactt 120  
 gtggaaaccg ttggagatga aatcgtggac ctcaactgtg aatctttaga gctgtgtggt 180  
 gtggacctga ctcaaatga ctctgttgtg attgttgaag aaaggagaag gccaaaggaga 240  
 aatgggagga ggta 255

Name: N102 Len: 255 Check: 1AA3  
 acaggtgcct gtgctatgat ggggttcattg cgtctgaaaa catgaaaaact tgtgttgatg 60  
 tcnatgaatg tgacctgaat cccaacatct gcctcagttg gacctgcgaa aacactanag 120  
 gctccttcac ctgccactgt gatatgggct actcntggaa aaaaggaaana acgggctgca 180  
 caaatatcaa tgaatgtgan attggagcac acaactgtg caaacatgct gtgtgcacaa 240  
 atacagcagg gaact 255

Name: N103 Len: 255 Check: 1266  
 actaaagcaa cttgctgact gctgctttct ttctcttata cagaattggc agaggggggtc 60  
 gatttgggag gaaaggtgtg gctataaact ttgttactga agaagacaag aggtttcttc 120  
 gtgacattga gactttctac aatactacag tggaggaaat gcccatgaat gtggctgacc 180  
 taatttaatt cctgggatga gatagtttg aatgcagtgc tgcgtgttgc tgaataggcg 240  
 atcacaaagt gcatt 255

Name: N104 Len: 255 Check: B73  
 acatgatgac tccacaatat ttgaagctaa gctatctgaa gctatagagc ctgaagttgg 60  
 gcttgcgggt ggttctgtct atgttgancc ctgtgatgat tccactcaca ttctgtgca 120  
 agaggaaaac aagtcgtctg tcagtcattg cctccttgat ggctctacag ttcttgagga 180  
 aggtttattt agccaaaaga gtttccctgt ttggggtttt agtgttgaaa atgaatgtaa 240  
 tattgtaaac atcat 255

Name: N105 Len: 255 Check: 135F  
 accgcaacta ccatgctcgg cctttttctg tgcggttttc caggctgcag ataaaaccgg 60  
 ccgatctata ctgccggctc caatctgcag aattcaggac acctgcaa aagcaatgaa 120  
 ggctgtgctg gactcttgtt agagtgtga acgggtgggg tctttacagt tccagtggac 180  
 tagggaaaag gatgttgaac gaattaggtt tgcaaaaggg ccggaacttt tgtttgtctg 240  
 tttgttctgt ttgt 255

Name: N106 Len: 255 Check: C55  
 acagtcacat gaacaactgt ccaatctgtc atcctaattt ggatattgtt gttaatagag 60  
 gtttgcattt ttccaggag ggttttttta agtacaattt tctataaaag tgtttccatt 120  
 atattagcac nccctaccog ataaatcaca tgatttttgt ttcaaatttc aaccttaaaa 180  
 ctaccttcaa cgtgcttat cotatcaaaa tattatactc taaagacatt tgaaacctaa 240  
 aactgtcat tgtat 255

Name: N107 Len: 255 Check: D7F  
 acagttaata cattctacac aaaaacattg caatatttgc cactatttgcn ggcaataatt 60  
 acatgaaaca gttaacagt ttatgggggtg gtcacagtgc acatattact agcaactagg 120  
 gctaagaagg aatcatttag tgttaaaagt ttatttgaat ttggccaggc agtcnatgct 180  
 atagttagta aacncatttg gagacaaata tcagagttag tcaagocatt tgcaatctga 240  
 aatgattcct atatg 255

Name: N108 Len: 255 Check: 6BE  
 gacgcagtac aagtccaagt ttgctgacct ctctgaggt gccaaaccgga acaacgatgc 60  
 cctgcgccag gcaaaagcagg agtcaaacga ataccggaga cagggtcagt cactcacctg 120

cgaagtggat gcccttaaag gcactaatga gtccctggag cgcagatgc gtgaaatgga 180  
 agagaatttt gcccttgaag ctgctaacta ccaagacact attggccgco tgcaggatga 240  
 gatccagaac atgaa 255  
 Name: N109 Len: 255 Check: 1108  
 gttgtataat gtaaatattat ttctccaaat tgagagtgaat ttttaaaaaat tttttatott 60  
 tatatgggtt cagaagtatg aaccagcttt ctttttatta ttgtgggaaa cattttgttt 120  
 tataacatag ttgttgactc tgtaataat ggacatgcta ggatctggat cactttcaat 180  
 tgaagtcagg gtattgtgca tagtgagtaa aaagtgttgg gactgaaaaat tgattaaccac 240  
 agaaggccaa tgcct 255  
 Name: N11 Len: 255 Check: 62C  
 acaagctttt tttttttttt tttttttttt tttttttttt atttcatact cttttattgco 60  
 aagagtccaa aatgggtcaac ataaaaaaa aagacatctt gataataaat actgctcttg 120  
 gggctgtaat aaataaaaaa tttattaaca aggaatgcac ttttccagco acaagtgtat 180  
 tcaaaaaataa ccaaaaaaaa aatatgtatg gccatagttc acagttaagc agccaaaaca 240  
 aagctgctct gattg 255  
 Name: N110 Len: 255 Check: 2682  
 acattgtttt accctgtatt cattaagaca ttctctgaaa agtagcctaa cctatgccaa 60  
 tattagctac ttgacaccat gtgaaactaa ctgtttttt ttctgtgtga tgtgtggga 120  
 gagagaggag gggggacaga cagacagaca gggtgacttt ggggtgtgaga tatggatgct 180  
 atgtaggcca cactggccta gaactaaaaa atctgcctgt ctctgtgtcc cagttgctag 240  
 gattaggtat ccgct 255  
 Name: N111 Len: 255 Check: 2697  
 acacagcttt aattccagca ctctacagaa taagtccag aatagccagg gctatgtaga 60  
 gaggccctgt ctcaaatcaa aacaaaagtg ggggtggagg gaggagtgtt gaatatgtgt 120  
 ctacagatga ttccatctct agaaacagtc agctcagggt cagtctgtgt gggtaggagg 180  
 tgaagggtga attgagtcag gatgccccc agagccaaca gacagtcttt tgactataat 240  
 gaaagccagt taatt 255  
 Name: N112 Len: 255 Check: 10AF  
 acaaatttac attcaggagg aatgttaaaa aaaaaaatc aactaaaaaa accacttttt 60  
 cctgtgaccc ataattccaa cattttacag tgcaggggag agggaggctt gggggagcat 120  
 ccaaaaacaag tctctcaaaa gaaataactt taaaatgtca cattccctct ccacacagga 180  
 tccatagtga ggggtataatt acaattcacc ctctctgtga ggttcccttt ctgtttcctg 240  
 ttctttttct tcttc 255  
 Name: N113 Len: 255 Check: 22A  
 accaccacaa acccttcagg ggagactctg ttcttagaac agggaaatccc ttctctcttg 60  
 ccctgactgg agtggaagg aggtgttctg agctgagcgg ctgttccggc accagcagcc 120  
 actctgaocag ggcagacaga gcaggagtgc attgtgtct ctagggaactg ctggcccttg 180  
 agctgtgac ctccctccc tcccatagag gcttgggaag gaaaatgagc gggcagcatt 240  
 aagagctgct agtga 255  
 Name: N114 Len: 255 Check: 20D  
 acaagaaaaca tcgggagtga atactgaaga gctgcaagt tctcaaaatc caaaggaatg 60  
 aaccaaaaaa aaaataaaaa ataaaaataa ataaaaaat gtgttttccg atgttcaaat 120  
 ttctctctca agcgcaggt agaaaaaaa gagcaaatat attaatgcaa ccaattttta 180  
 aaagtgcatt ttacctttat aacaatgaaa attacaaca aacccaaaat accgaccctt 240  
 aacccaaaag acaaa 255  
 Name: N115 Len: 255 Check: 1A84  
 acagctggac cttagtaaa ctcagttcca cagtggccta tacactgaan catgctttgt 60  
 gctggccgaa ggttgccttg aaaatcaagt gtttcatgco aatgcctttg gatttccctc 120  
 cagggagccc tctagacca caagggcata ctatggaaat attaattttt ttggagggcc 180  
 ttctaattgc tcaagtgaagg ctcttgcaaa actgagacag ctggaagagg agaacaagga 240  
 cgccatgtt gtgat 255  
 Name: N116 Len: 255 Check: 230C  
 acaacactga ctttttagac acgacagtag ttttaagttt attgacactt aaactctttc 60  
 ttcttgatcc aaaattcttt actcagtcac acaacaaatg aggtaatatt tgtatataag 120  
 ttccaccttt gtctcttttg ggaaaatgaa ataaaaannn ttgattgtgt tttcttctcc 180  
 ctggaaatag gcagaagggg tgggggtggg gagccttggg gggctcaggc ttcttttgca 240  
 ggaaaggcaa atgca 255  
 Name: N117 Len: 255 Check: 835  
 accccaatac ttcccttcaa gttgtagaaa atggtaaaaga aagggcgtgt ccaggctgtt 60  
 tatcagtcca gggaaaaata gaaatctccc taaaaggcag ggacctgaag gaatgggtgg 120  
 caaagggtata ttggaatgc tcaattgttt gtgaattttt ttattgaacc cactactca 180  
 aagctagggc accccggacc tttggcccat ccacaccgtt ctccatctgg gggactaacc 240  
 ctgtttcaaa accag 255

Name: N118 Len: 255 Check: 2628  
 tttttttttt tttttttttt tttttttttt ttatanaaac gtttttttaat tagtgaaaca 60  
 gttcattgta ttatgggtaa aaataaaaacc aggtcaggaa gcacagcaaa cgaaccaacg 120  
 ctgtaagcta cacaataaaac attctggta gcttttttaa agccaggcac aagaaattca 180  
 caccattaac aatgaacgt cagagggcct ttcgaaaaat tcacacggca aacaacaagt 240  
 taaaaaatta tcccc 255

Name: N119 Len: 255 Check: DSA  
 ttngacaaaa ttcaacaccc cttcttgata aaagtccctgg anagaatagg aattcaaggc 60  
 ccatacctaa acatagtaaa agccatatac agcaaacag ttgctaacat taaactaaat 120  
 ggagagaaaa ttgaagcaat cccactaaaa tcagggacta gacaaggctg cccactctct 180  
 cccactttat tcaatatagt tcttgaagt gttagccagag caatcagaca acaaaaggag 240  
 gtcaaggcga taacg 255

Name: N12 Len: 255 Check: 1201  
 accatcacag tgaccagaag ggtcacagcc tacactgtgg atgtgaccgg tcgggaagga 60  
 gtgaaggaca ttgacatcag cagccctgaa ttcatgatca agataccgag gcacgaagt 120  
 actgaaattt ccaacacaga tgtggaaaacc cagcctggga aaacagtgt cgcactgccc 180  
 tcgggatccg gggcagccct tccaaccacg ggctctgctg tggatatccg ggcaggtgcc 240  
 attctgccc cagga 255

Name: N120 Len: 168 Check: 1942  
 acaagctttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60  
 tttttttttt ttacacaag acagaacttt attaatggaa ggcttcttgg tgaggagtgt 120  
 gtgggcccga gggcagggct tgttagcacc atgatggggg atggcctg 168

Name: N121 Len: 255 Check: 1F10  
 aagtggctct gcttaatcac cacagaagtc ctgatgaagc caaaggaaaac cagaggctga 60  
 cagaaatgaa aaaggaaaaac agcagacaca gcggacctac cctgtgtcct tgccaccagc 120  
 tacttactca caggtgaagc agaaattcta tttaaccagc aagtttctgc tttttaaagt 180  
 tactttcaca ttaccaacat cagggaaatg aagagagggt gtgttttgc ttgggttatg 240  
 gtcacgaact aacta 255

Name: N122 Len: 255 Check: 15CC  
 acaagcctgt gagagaggat gaagaaagta gtaaagattg tgttgggtggc aaacggggga 60  
 gagcacaacac agctccaaac aaaacttccc ccagaaaacg aaagaaacac gatgagtat 120  
 ggcattgatg agtttgccc tcagtagcaa atcccttaga agtttaacct attcccacac 180  
 caccagaaaa tateaccttc gaagacccat ccttagatgt aatactactt ttaagagttt 240  
 tacatgccat cagtc 255

Name: N123 Len: 250 Check: 1127  
 acattcacca ttggccagcc cacagcagga agtgtgttag gagctcagcg gagacttctc 60  
 caaaaaacaca acagttttct gggctctgtg tcagttacat tacattttta agcaacacgt 120  
 aatctgtaaa attgtcccaa gacatccatt cctctaaccg ttccataacc ccattccagc 180  
 cccgagcctc tgtgaaggcc acgggctctc agtgcctccc gttactgatg acagccgact 240  
 caggttcgcc 250

Name: N124 Len: 255 Check: 25B9  
 acttcttctt caagagggtc actccgagga gcataactat agaaaaacaa acgacagtaa 60  
 aaactcaagg cccatttgt gtcaagtacc ccaacatcct cctcctgaga gccacatcaa 120  
 gactgaagga gaaacatttg agaaagaagc cttccagaag gcgaggtggg aggggtgtca 180  
 cgtggccccc tagataaaga tgattgagca acagggcttg agtagtagct aggtggaaaa 240  
 aagagaggac aaaa 255

Name: N125 Len: 162 Check: 26CD  
 cggcttaccg tggteccggc cgatgtacac atttctgatg aaattcatta gcacaataaa 60  
 aatttcactc tgagaaaaa gccacaacaa aagtaattta taccatataa aacaatgaca 120  
 ggtctacagg tgcagttact catgagtta cacatgcatt ca 162

Name: N126 Len: 255 Check: 61F  
 actgcaatga ctgctatctc cgattcaaat ctggccggcc aaccgccatg tgacgtaagc 60  
 ctccactcaa aagcactgtt gcagatanaa nangagacgg tagtcaactga ggcagaacta 120  
 taaaaaatgg tgtatgttt cccctctttt taaaaaaaaa aaaaaaagaa taatctttgc 180  
 ctggttagat gacataggaa cactgtgggt ttggtaggac ctgtattttt gttgtttatt 240  
 tataagaagg taatt 255

Name: N127 Len: 255 Check: 13A6  
 acagttttcc cccttaaaga ttaaaaaaaa aacaaaactc agtctaggcg taagaccaaa 60  
 cacaatgaaa agctcactaa ctgatttagg aacagatgat gctgggtgtga atagcttgtt 120  
 gttttactct agagccctta aagaaaaatcc ccgttagtgt tttgtgttac cagccagagg 180  
 gtcaggggtt agtgaacatg tggtaaaatg aggacttatg caaggtttta taagcatagc 240  
 attcttctac tttgt 255

Name: N128 Len: 236 Check: 3C9



acatatgttg gactgatacc gggtcagcgg ctgctcatga gagagccacg aggcctgggtg 60  
 agagctgggt ggaagggggt ggactggagg ggctggcggt tcgcagcaga gcgggactat 120  
 ctgaagaaaa taattctcta ttatttttat taccacatgc ttctttctga ttctaaaaata 180  
 tggaaaaataa aatattttaca gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa agcttg 236  
 Name: N129 Len: 177 Check: D29  
 acgttgatg ttgggaatct ttctttttat acaacagaag aacagattta tgagctcttc 60  
 agcaaaagt gggacataaa gaagatcacc atgggtctgg acaagatgaa gaaaacagcg 120  
 tgggggttct gtttcgtgga atactattca agagcagatg cagagaacgc aatgcgg 177  
 Name: N13 Len: 250 Check: 2201  
 acatggacat ggtcaaggag cggatcgacc gcttgggtgg atataaatct ccgaggtggg 60  
 aggcacctgg taatggatga catgctgaac tttaggaata tcagacccc gagctggcac 120  
 gtctgttgc aagagaacac agtcttcacg ccgagcaaac tgctccaggt ttctgagcct 180  
 ttgcttctgg tgcattgcagg catgcagggt cagtggcatg atatccaaga ccttgaggag 240  
 cccagagggg 250  
 Name: N130 Len: 255 Check: F01  
 acaatagcaa aagtaggcta ggtcgctttt ccttgggtcta cgttattccc tgtctaggt 60  
 ttgggatttg aaattctcga cccccacga ggggaaaccc cagcgcttgt gtttcctcgc 120  
 aattggctgt aactgcccc ttggccatgc taaggttctt taaaaacagg gtcattctgt 180  
 gttcattctt ctgccccaac cctactatga aacaagataa cccctgtgt ttctaaatgt 240  
 atcaaggat accac 255  
 Name: N131 Len: 255 Check: 1430  
 acaaaagatt ctctcatctt ggcactgttg gacagaagtc attcactccc acttttgtaa 60  
 ttgaattatt atgaaggaag attatctgga ggtatttcaa ctctgtaat cctgaaggga 120  
 tttttcttag ttattgtgt tccaagtga tctctctcac acgtggata ttagcaaaag 180  
 ttccatttcc aatattctgt attttgtgt ttccaagacc cagctctgc agttccttg 240  
 atcgtttaaa atctt 255  
 Name: N132 Len: 250 Check: 235D  
 actattgttt gaggttaggg ggtggaatcg gattattagg aagatccctg ccacaactat 60  
 tgtgcttgag tgtagtggg cagagacggg agttggggct tctatagctg atgggagtca 120  
 tggatgaagt ccgaattggg cggatttcc tgtggctgca attagtagtc ctgtgagagg 180  
 gactagattg ttggtgttg ttaagaaaat ttgttgaggt tctcaggagt ttatgtttag 240  
 gcagaatcag 250  
 Name: N133 Len: 255 Check: 10A8  
 acagtgtgga gcccaggctt cgagggggga aaggaggttt cgggtctatg cttcgagcac 60  
 ttggtgcaca gattgagaag acaaccaatc gagaagcttg cgggatctc agtgggagga 120  
 gattacgaga tgtcaatcat ganaaagcga tggccgagtg ggtaaaaacag caagctgagc 180  
 gagaggctga aaaggagcaa aggcgcctgg agagactgca gcgaaagctt gcagagcctg 240  
 cacactgctt tgcca 255  
 Name: N134 Len: 223 Check: 4FC  
 actagagatg agtcccagag aatgatagggt cgaggccggc catcttggt gaactctaata 60  
 ttctgtctca cagatggcag ggnctgttg agaccagga tctgttcag ggggaaggca 120  
 aacacttccac tcatgtccag aggttgcctg anaagcccac aggggctagg gccgcagcca 180  
 ggcacagagc ctgaggngct tctttccaac atcagcaagc ggg 223  
 Name: N135 Len: 255 Check: 1845  
 acacttgga agagggtgg atcaactggc ttggtagggt ggteccgtgc ctctgggga 60  
 gacagattgc acaggcgggt tctctgcag tctctggctt ctctctgagt tctcacagt 120  
 ttttctctaa ctgcccgtct cattactggc tgccctcagca cgaggtctgt atcatgtgt 180  
 tctcaggtta cctgacagc atacaggacg gggagtaggg cacattcaca gtgttcacag 240  
 tcagcagaca tgggtg 255  
 Name: N136 Len: 250 Check: C54  
 acctgcgggt gggcttggag aagtcacct actgccacct cttagacaac agccaactggg 60  
 cagagatctg tgagacctt actcgggggt catgtccct cctggggctt tcagtggagt 120  
 cccactcag tgtcagctt gcttctggct gtgtggcact gccagtctg atgaacatta 180  
 aagctgtgat cgaacagagg cagtgcactg gagtgtggag tcacaaggat gagtggcga 240  
 ttgagattga 250  
 Name: N137 Len: 255 Check: 10EC  
 actagtttct gctagacgcc cacactacgg catgtttctt tggttcagat tgcttagctt 60  
 gatgtagtgt caggaaggat tacgtctcca ttgtgttag tatgtctgac tcagctccat 120  
 ggatagggac caggtggcag ccatctggat tgtcaatagc tggggataaa aatoccaaagg 180  
 aggacataag cagaaaaagg agcaatactt cctgggttga accaaactca aaccagagat 240  
 cttaatgcac cagac 255  
 Name: N138 Len: 250 Check: CDF  
 actcactgga acatttacct tgtgcttgg ggtgtattct taaagccaat ccttgggaaa 60

taggtggat aatgagtagt atcatcttac tacttgccca agtttgcaca cctactaaat 120  
 aagtcaatgg aattcaagcc taattctgtc tggcttttct actggattgc tcttctctat 190  
 tacatgaaac tacaataaac agtttatagt tatactagcc tttataatg aattcagagt 240  
 ttgatacgtt 250  
 Name: N139 Len: 255 Check: 1E1B  
 accaaagccc agtgggtag agatgggtca ggagacctgg gccctgaagg tcacactttt 60  
 cagaactact aagtgtgccc aaagggcaaa aaactcaaga gggaggggcat tctgagctgt 120  
 gtgagttttc aaactcacia gataaaacgc aaactcccaa gaagcatgtg attcaaaaaa 130  
 ttaccacott cttttgggtt ctgacctgt cttaggctgc aggttgccag accaggctgg 240  
 ttgactttctg agata 255  
 Name: N14 Len: 255 Check: 7BF  
 acttccagcg gatcttggcc aggatattgt tgtctttgat gatatactcg taggtgggtca 60  
 ataagacatt gaacttggcc ctgcgaagct gggggacaaa agctcgtctg gcagctggag 120  
 agcccttgta ggaaacottc accacagagg gggcccactt gtcaaattca tatgccagt 180  
 ttgacagcgt cctgaaggga aagggaaggga tagtcagggt ctacactagg caatagtga 240  
 gccaacaggg ctgggt 255  
 Name: N140 Len: 255 Check: 25B2  
 acatttggtg attatgatag tgcaatgtag cagatccaac attattctca aatcaagatg 60  
 ttaaattatg ttttggtttg tcttccatta aatgcagggt aatgtgttca gatgtaaaa 120  
 atgttttctg gaacttggac agttttataca cataacacat attctctctg aaatgactct 180  
 gtatataagg cagggtgtgt tgtgcatgoc tgtaattcca gcagtggga gatagaggtc 240  
 aggatcattc aaggc 255  
 Name: N141 Len: 255 Check: 23FF  
 acctttccta agaacttga ctttaagggtc ctaatgggtg agaagaacca acacagaacc 60  
 aaactgactc gcagctccct agcagggggt ccggttcttg tgcagtggtg gtgggaaaca 120  
 ctactaactc tgaccttcca tactctatgg ggagcacagg gtccctgctg ggtctcccca 180  
 ctggacacag tgccaaggac agcccccacac atcgggtatt gggctccctg tgtttttccc 240  
 gtctttccaa agtct 255  
 Name: N142 Len: 255 Check: 1C0C  
 acagggttact gcttagatag tacagggaag agtgcagaga ctgctccagc cctggaccag 60  
 acaccaagct ctatccattc atataccatg ctgcccagtc cagtgcagag acctccgacc 120  
 agccaggaca gaggacgggc acctgaggac ccaagatgag acttctcgc agagagacat 180  
 cccgttttgag atgtgggatg aactgactta atctgatcta aatctgtata taatccacat 240  
 ttgtaatcaa ggatg 255  
 Name: N143 Len: 255 Check: 5CC  
 acaaatgtct tctgagggcat tatttgcctt aaaatatagn gggcttttct tttgagactg 60  
 ggtttcactc tatagcccag gctggccttg aacttgcgc tgngtcttg cctcagtttc 120  
 tcagcttcag gattatggac agaaatcacc atgcttgga tgtaactatt tttgagggctg 180  
 aaatagctaa tgaaaagccc tatctagatc cagattttat atgacatcaa attagggaag 240  
 tggagggat tattt 255  
 Name: N144 Len: 255 Check: 16CF  
 acactttctc attgacaact cccacgggtg gaagacagt tattacttag tcttactttt 60  
 tttggacagc tcatctctgc acaagtga gacatttgaa gagtaagtct gtttgcgatc 120  
 tgtcatatt gaacctttc acaaaggaga gctccotaaa ttgaacttc cgaaatctaa 180  
 ctttctccta tttcttctt aagacttaa aacatcagta attgagggca tctcttgatt 240  
 aaaagtcccc tagaa 255  
 Name: N145 Len: 251 Check: 8A2  
 ggaaaagctt gctctaccag gctgccccgg gaagccgact tgtctctgac ttggttgagg 60  
 tcgggggttct gactttctgc acctctgtgt taggtgattt gtgttaattg atgaaacgc 120  
 agagcacgtt gggccacctg tggcatcaag actgcaactt gacaatcacg gtttgctgat 180  
 ctcaaacggg cgtgaaaaac tcagtctggg tgtgtgactt aacgattgag cccgcccctc 240  
 tgtttgtcag t 251  
 Name: N146 Len: 255 Check: 25B  
 acaagctttt tttttttttt tttttttt tttttttt aaatatcttc aatattttat 60  
 tttataggaa ctaaatgggg atacaatata aaagcattca tcacacttat tttccactt 120  
 gaaaagaato aaggactgat atatatctct caggcacata agaatgact tattaanaag 180  
 tgaaaaccag gtgcttgctc acagtctagc actgccagga gggatagcac acacctgtaa 240  
 ccttagctct gggga 255  
 Name: N147 Len: 255 Check: 2329  
 acacatcttt aatcccagca cttaacagat agatggatct ctaagttctg aggttagcct 60  
 ggtctacaga ctgctttota gaatagccag ggctacacag ggaaagaaac cctgtctcaa 120  
 aacacccctc cacttccct agtttttctt gtttttggtt gtcttaacaa aggggtgtaa 180  
 atgctactaa tcattcaaca caggccagac ccaaagacaa gccaggccag cagtggtagt 240

gocaaaggtt ttotc  
 Name: N149 Len: 255 Check: AB  
 gtggggggc ttctgttgc tcccatcttc gagggtttca ttctgaaccc ttccctgcgt 60  
 ggaggagggc ctgctgacgg ccgattccct tgcagcagaa gaaactctta aattctggaa 120  
 atagcgactc agtatcatgg ccagcggcat taatgaagat ccagaaggaa gtogaatcac 180  
 ttatgtgaaa ggagatcttt tgcgatgccc caaaacagac tccctagccc attgtatcag 240  
 tgaggattgt cgaat 255

Name: N149 Len: 255 Check: 1919  
 acatgatgct actgcttttg gctgtgtgct ctgccaagcc ttcttttagc ccttcacaca 60  
 cagcaactgaa gactatgatg ttgaaggata tgggaagacac agatgatgag gacaacgatg 120  
 atgatgatga taattctctc ttccaacca aagagccagt gaaccccttt ttctcttcg 180  
 atttgtttcc gacatgcccc ttgggtgccc aatgttactc tegagtctgc cactgtttctg 240  
 atctaggttt gacat 255

Name: N15 Len: 255 Check: 217C  
 aagctttttt tttttttttt tttttttttt ttctgggga agtgaggatt tattaagaat 60  
 attaaaggcc aggaatttta ttttaacctt aaaccttaag ttctctttta gtgcttcaaa 120  
 aatccattat catttaagac cagataaatt acatggctaa ccagctgtcc agtgcctgagc 180  
 ctaaaaaata acctccaatg gaacaagacc gagctcagcc actgaaccaa ggggtgagc 240  
 gtggtcacgc ctctc 255

Name: N150 Len: 255 Check: 16BC  
 cagattatct tcatggagac cagacatgca ttcttctgag ttacgttgc aacctttctga 60  
 racctatctg tatccacaag atatctgtca gacatttcat tcatatcacc atgtgtcgat 120  
 gtaacaatcc tctgtttttc agcatgggtg acttccaagt ccaaggccta gatccagttt 180  
 taactacctc cagtaacctt ccactgcagg cagacgggat ttcagttact tagcagaacc 240  
 ctaactgttc actgt 255

Name: N151 Len: 255 Check: 711  
 actgcccggc cactggaaac tgccaacagt gaacctcagc gtctcaagaa aacactgaag 60  
 aattctatga attgtagcag tgaattggat tgtattctct ggcatatttt gaagaaaatt 120  
 gggctattga aacatttttc ctctctgact gctgcttgaa tgttcttggg agctgtttctg 180  
 tatgtatagg gtttttaaaa tgtgatttct ttgtttgaat attaatggct ttttccatta 240  
 aagaataaaaa tgata 255

Name: N152 Len: 250 Check: 1917  
 actgagggcg gccagggaga tgtcagcatt ggtatcaagt gtacccctgg agtagtgggc 60  
 cccactgagg ctgatattga ctttgatata atcgttaatg acaatgacac cttcactgtg 120  
 aaatacacac cctgtggggc tggcagctat accatcatgg ttcttttttg tgaccaggcc 180  
 acaoccacca gccccatcag agtcaaatg gagccttctc atgatgccag taaagtgaag 240  
 gctgaaggtc 250

Name: N153 Len: 255 Check: 224C  
 acctgaaga acaagttcta ctcttgccaa agaaatgcct ggccctggaga gctctctga 60  
 aagccaggat gccgtcgtga gccatggacc gctgtgcag cctctgcag agaaaaagcc 120  
 atattggaag gtggccatat gcccgggtga ttctgtgtag gtcatgtgat tgggtttctg 180  
 tctccagctc catctgattt cgtctgttcc tgttcttctg ttggctccctc ccaagttgta 240  
 atttgtattg aaacc 255

Name: N154 Len: 255 Check: 1238  
 caaaaaacca tgcaataaat atactcaaac tctgagctcc caatgcgatg ctgacttccct 60  
 tatcacatta caagtcattt gtgattttta aaagttagct gccataaatt ttggaaaatg 120  
 ccagtgttta aaaagttaac tgtgctaaaa ataaaagttc agcagaacag aaattgaggg 180  
 ttcaaaacta ttcaatgtta caaacaaaag tgtgaaatac cattcttttg tctagataag 240  
 ctgttctctt tacat 255

Name: N155 Len: 255 Check: 1F07  
 tgacgacctc ttotaagggg tgaggggatt tcaggaatgg ttttactgag ccacgttact 60  
 tttaaagtcc ttctttaacc actctgaatt taattggagg aagacttttt tttaaataag 120  
 aatatgcaag tgagcagggc cccgtgtggc ttacctttg ttctcaacat actgtcanta 180  
 gtggccgtct cgtgggcatt gncgtctnct ctgattgtct gttttatgtc tgtttcttt 240  
 ggtctctgaa acctg 255

Name: N156 Len: 255 Check: 18F3  
 accagctaca acccaggatg gaggttgggc cagtcttctc gtcacgatct ggtcactatt 60  
 atgatgtatc aagaaggatt cctcaggagc tactagagag ttccgaattgg catggattct 120  
 tccctccaga acacacccct ccaggtctta aaggagaacc ctgctttttg tctgtggct 180  
 acatgaagct gcttcagttc ttccagaaca tcatitatac tgaaggattt gatggagcta 240  
 atccccagaa aaaac 255

Name: N157 Len: 255 Check: 229C  
 actgcatcag ttctctatgc tggcatttct tgttcagtaa ctttaaggact atcttgtctc 60

tcagttcaga gactaattat ccagggttaga ttgaccgggt tcaactgcttc ttagcaacct 120  
 catagaagga ttggggaaag aaatgtaaaa cagtgcacct gctgtgtgcs taaccttgag 130  
 gattcccgcc taagtgtctac ccgagctggg aaggagcttg ccaactgaatc acagaagcct 240  
 ctttagtatt cagggt 255  
 Name: N158 Len: 255 Check: 1490  
 acatgttgac agcaacttga ttggatactc taacgaagag atcaacaaaa aatccacctt 60  
 ttctttctga aatttccctc agtaactcca taagtcttagc agccaagcca agacggcgga 120  
 attcaggggc gacagacaga gctgtgacat gtccatgcca ctcttcccta gctactgagc 180  
 cttctgcttc gcccataata taaccatta gctctccgca aggtgcttcg gcaacgatga 240  
 aatactccgg ccagt 255  
 Name: N159 Len: 255 Check: 1397  
 acttcattgc tctattcaat taagctctct attcttaatt tactactaaa tcttcttttg 60  
 tcttttagtt tcataaaggg ttctgtaatg ttctctggga aaagaaaatg tagccattt 120  
 ctttccgctt cattggctac accttgacct aacgttttta tgttngttct tngtcttact 180  
 ttagtgccct tttagggttt gctgaagatg gcgttatata ggtgaatta gcgagaaggg 240  
 gtaaggtaga acggg 255  
 Name: N16 Len: 255 Check: 148A  
 acttacctgg tggctccctt ggggttcttc tgggtgcaag agtgtccggg tcacagaaaag 60  
 ctatttctac tgggtggccaa aaaagagtga cttcaaggcg ttcagcagat atgcagtctt 120  
 ccaatacaga catttctttt aaaaccagga aaaggctaaa cttcgaagat aaagtatttt 180  
 cgaacacagc agaaatagag agcagtgcct cacaagtaga ggtatgcata tccgaggaac 240  
 aagaagggac atcat 255  
 Name: N160 Len: 255 Check: CA9  
 acatcttcta gttttaataa gtccacgtat gatctaaggg tgggtcttct catcacagrat 60  
 gtatgaaaat caaactgggc atcggtgatt tctataaat gtctctcaat ttctgtggcat 120  
 ttcttaagtg cttcaccaaa ttgttctatt gcttctgatg cctgggcaca ttctgtctgg 180  
 aaccacatac actgcattct atccagggtc tctacgcctg atgttcttct ccttgttaaac 240  
 ttggaacaca ttct 255  
 Name: N161 Len: 250 Check: 40C  
 actcattctt tcaactcaata taggaaagct ggctacacaa agcatcgaga gattaaaaatc 60  
 ttgttgaaac atgcgaactg gaagagctca gttacttcaa ctttgatttc caaacctaac 120  
 aactgactga agtaggtcac atcctttcaa cacattactt tatagacaaa tggctattat 180  
 ttggaggcaa cccaagatag gtaaaactgc tactgtcttg gaggtcatt tatttctctg 240  
 acccagcagg 255  
 Name: N162 Len: 255 Check: B3  
 acaccgagat tctatcagt gcttcttcca gctctatta cttcacgggt tagggacatc 60  
 agttatcatt tctgtcatca ggacaaaact caaactgtca tcaactgaatg gcgtaataa 120  
 ggaagttaaa acttttctagt ctgtgtgtat agcagttgtg ctatttttaa agcactcctt 180  
 gacctcact gccactgttc cctgtgaggg agcgcaagac tctgttctt tagggttgtt 240  
 acttttagagg atgtg 255  
 Name: N163 Len: 255 Check: 1C43  
 acaactcatt ttgcgccaat ttccacaagt gtttgtctta gtctaaatga gaagtgcata 60  
 ggtttttata ctctgggatg caaccgacat gtccaaatgc ttgaaatccc acaaatgtta 120  
 gaccaatttt aagtttctta agttatttcc tttaaagrat atattaaact gaaaccttaag 180  
 tagactgat tgactaacca gtcactctgg atggtgggtg aactgaagca tgcctttact 240  
 tctaagactg tctaa 255  
 Name: N164 Len: 250 Check: 18AF  
 acaaagttag tgggatgctt attttttatg taaggcgggt atcaccacac cggaagaagt 60  
 cttctctccc tggagtcttg ttgccttatg tataaaactg caccagctt gcttagagaa 120  
 gttgccttca tcagagaaga ctccattaat tcagtgtccc aatggcgtcc tagggaggca 180  
 gcaggcattt tgttttcccc agtaagagct gaatccttta aaaacttaag aaactacttt 240  
 tggcttctg 255  
 Name: N165 Len: 255 Check: E6D  
 acttactgga ccatgagcag actttccagg tctctgtgctt gctaagctgc cattactggc 60  
 cgggtgttag gccaggcttc attacagtgt gatgtgctgt gcagcacac taaatggaca 120  
 tggagtcttg cagcagaaaa gccgcattgt gtctttgaac ttgctggatt caaacactgc 180  
 actttgtaaa caaatgacca gtttttact tgtgggtgtg ttttttaagt aggtatatat 240  
 gtaaatggg tttga 255  
 Name: N166 Len: 255 Check: 995  
 acatatttac agacattgtg taaactgttc ggttgactta accaacatca gctgatgaaa 60  
 acgagcgtgc atctaagtga tgcctttatc aaaatagtgt ttgggtttgt gttttgccgt 120  
 aagagctcca ggcctgtctt ccttctatga aaggctcccc agtttaaaaa gatttctgag 180  
 tgcacacagc taatgggatg ggtctgttag gcatttccat ctgatactgg atatggcttc 240

8

attcttctgtaa gagac 255

Name: N167 Len: 149 Check: A6F

accattagtgt ttagtagtgt ccttgcttct tgatcctaca tctcagattc tgggaacagga 60

aatcttctact aagcctgctg tggcctgagg gaagcacctc aaggaagagg catccactct 120

gaagtcttag tgagtcacaca tggggcttg 149

Name: N169 Len: 255 Check: 23F9

acctatatt ttgcccatag tggcattagt agattagaga ttaaagtcac ttttaacttt 60

acaaagttaa cttgtatatg ttctgtcttc ggtcgttagt tctctcaaaa tcaaatgaat 120

tcagagggaa cttgtctggc tgcctttgtt tcaactgcag gcagtggagc agaaggacgc 180

cgcgtggcac taaagtgaac tgttgcgtgt taacagtctt atacagagac tgagccattt 240

tggatgactc aaaaat 255

Name: N169 Len: 255 Check: 905

actctcacga tgatcatgtt ttcaaacctg gccccagctg tgtatgggtc agtgagggtt 60

agcagtcaact tgaaaaatgc cctgggctca ttccaggcca gacactatag gcttctttac 120

aatctggagt tttctaaagc atgggcaaat ggggcttttg tcaaaacaa actcctttga 180

aggaagtgc atcagacaag agctcactat ctgggtgccag tctgcgggca ccatccccaa 240

acaagagtgc ttttg 255

Name: N17 Len: 109 Check: 85E

ggcttcatca ccactcggta gctgtaattt cgccttttat cagaagctga tacattttca 60

tcagcatcgg atcgaaattt tatgtattca atatcttgcc cagcatagg 109

Name: N170 Len: 250 Check: 4DD

actaggactg gtaagggagt tctgtgcata caaaattatt actttcgttg agagcagggt 60

tgcaaccagga cttcctagta tggcctctgt cttctgggca acgattattt tctctggga 120

aaggaacctg cggctccctc acagtgatgc aggaagcta aatgctgcac cctcctctca 180

aatccatata acaagccaca gacctcagcc ctctctacag cccacacgg gtggtgtcag 240

cagcaagctg 250

Name: N171 Len: 255 Check: 8BD

actgtaacgt agttaaattc tctcactaag aaggtcacac acccacgggg aaaccatatt 60

ggtgttgttt tgttgggtgg ttgtgtgttc aaactgcctt cttaaatagt ctgataatat 120

catagattgt gctgcttcca atcttgtcca ggaaacctag ggcactcata cggtagtgtg 180

tgtcacccaa tgcagtcact ttaactgtca aagtgtctgag aatgagtaac cgtgagtggt 240

caatgggtggc tggga 255

Name: N172 Len: 255 Check: 1B43

accagtcact tatatgttat tatatgatta gccacagggt tttgaaaata tataattacc 60

ttatatcctt aagtccttaa aagattctgc acacattcta attctactgt tctagaccag 120

cattctagga tgtgtgtaac aacctcttat aggccttagg agccttttag gctataatag 180

ttttaaataat tcacaccctt gactagcagt ggggtgtggt gtattttgct tttcttttta 240

aggnntttt agatt 255

Name: N173 Len: 255 Check: 120D

acaaaaataaa gctggctact aaagccatac catggttaac gcagaaggaa caaggctgtc 60

atggagtccg tgaagggaag ccagatcaaa tgacacagtc caggggcaga gacacaaaa 120

ccgtccttct cagacacact tttgaatgtg ttagagaaaag tctgggtgga ctttataagg 180

ccgtcataac tgttaccgag caggctgctt gggaaaactg atgccgggtt tgagtccac 240

cgtgaagcga tgcgg 255

Name: N174 Len: 250 Check: 4C0

acctcgggtg cgcgtggctg aatgtcacat cagtcacatg cgtgctatgg ctctcattca 60

ctgaaacctt gacaaggatc tcagagtgcg ctttaataaa gggaccgcat gaagaagcag 120

aggcaacagg aggcgtgatg tggatctaga ctgatggcaa gaaatcttta tttccatta 180

aggaaataag tgggaaatca tttttaagaa ggaaggctca cagaaataga agtgtgctat 240

ttagaacatg 250

Name: N175 Len: 250 Check: 1900

acaggtgtat tttacaattt ttgtttaatt aaaaatgtta atatattaat aatcaacctg 60

gtcaaaaact ttcagggttc ttgttttgag tcaagtgcct tgattcagaa tgtcacgagc 120

cttatgatat catgctgagg cgccttgcaa atccgacaat taacgatcct cctagacctt 180

gagtgatca gcataagagg ccagatcccc tgcagtcato tacacctagc ttcaccttat 240

tctttaaagg 250

Name: N176 Len: 250 Check: 21C

acagccttgc cgaagctgct tttaaaacaa aaggcaaggga agtcttctt ttttagtttt 60

tttaaacaaa caaaaagtaa tgaacttttc tcatctgtta caagatttca aatcttttat 120

cagcattttc cctcataaag ggttttactt cttctgaaaa catttataaa aaccaggctca 180

acgagaccaa atgtatgaca ggtgacttca gagcgacctt tcttgcttcg taactgcgaa 240

gaacgggctt 250

Name: N177 Len: 250 Check: 27F

acatgctttc coactggagtc tcaactaaggo acagaacgct atgctgaata aagaagggtat 60  
 aggacaaaac tgaactatct ttctgagagc aaaacatata tcagcaaaat caagaactgt 120  
 cctaaaaata ggggcatcac gtttgaat gttttacagt ctgaactcca tgcacgtaa 180  
 ataagcaagc taagtgaaca cggggtccac tgaggaaggc cctttattcc caagcatgtc 240  
 cattgagcgt 250

Name: N173 Len: 255 Check: 180D  
 acctctcttc gactaagatg actaagatgg cctttggtct agtgggggaac agtggggcatc 60  
 tgccctcaca gatgacacct cacaacaaca cctcagatcc cgtgttcca aaggcagcaa 120  
 caattttgct atttctgtta accttcacaa aggcacccccc aaataccccc aacagaagtt 180  
 acccgggttt tgtctacagt gactgctgtt gggccacgcc atctaaactg agagggggaa 240  
 agattctatg ttcaa 255

Name: N179 Len: 255 Check: 2453  
 actcctcagt agccatagca gttgtatacc caaatacaac caacatccca cccaaataaa 60  
 ttaaaaatc tattaacact aaaaacgaac ccccaacccc taaaactatt aagcacccaa 120  
 tacatccact aacaatcaat ccaaacccac cataaatagg tgaaggcttc aacgccaccc 180  
 ctagacaacc agtcaaaaac agtaaaacta aaataaacat ataatttgc attattttcta 240  
 cacagcattt aactg 255

Name: N18 Len: 251 Check: 178D  
 accagaggcg aggatcgctt cagctctggc agtttctggt agctcttctg gatgaccctt 60  
 caaatttctc ttttattgcc tggactgggc gaggcatgga atttaaaactg attgagcctg 120  
 aagagggtggc cgcagcttgg ggcattcaga agaacaggcc agctatgaac tatgacaaac 180  
 ttagccgttc tctccgctat tattatgaga agggaaatcat gcaaaagggtg gctggagata 240  
 gatattgtcta c 251

Name: N180 Len: 255 Check: 1A2E  
 actatgacga gatcatcaat gctttggaag aagaccctgc agcccaaaaag atgcagttgg 60  
 ccttcgcctt gcaacagatt gccgctgcgc tcgaaaataa gggtacagac ctctgacct 120  
 cagtgtgcgc tcaggattca gtagaggatg caccacaaggc ttctggagag cgtgtgtga 180  
 aaccacctct tgtagactat agcgtcttct tctgagcaa tactgcccgg gcgcgcgagt 240  
 cagcaccagc tccgt 255

Name: N181 Len: 250 Check: 74F  
 acagtggaga atgggttttc ttgctaacaa ttttgaact gctgtatttc tctttgagca 60  
 gtgcaagaat tttcttcaga gcagacaaga ctgcggctga agagaadcaa gaaaazgaaag 120  
 agaaggaaga agaaactaaa atgagcaatg gagacggatc cgagagcact gttgttcggg 180  
 atcctgtcgt gaagtgatgg gatgcggctg tcagacatgt cgtgctttcc agagactgac 240  
 atggatgcta 250

Name: N182 Len: 255 Check: 2389  
 gtgagctctg ctgggttaaag gactangcgg ctgggggagc tccgctagt ggtgtttgac 60  
 gctctgtatc ataactctca cttctgcctt ctgtgtattc taggttgggg cttgtccgc 120  
 acctaaaggca agaggatggg ggctgcaaaag aaaacgaaaa agtctctgga gtcaatcaac 180  
 tctcggctcc aacttgttat gaaaagtggg aagtactatg tcatctattc attttttaaa 240  
 acattcatta agatt 255

Name: N183 Len: 255 Check: 45C  
 acaataccca attgataaca gtttgaaaga agtgcaatat tgaagttcaa atatttttaa 60  
 aagtgtgcac tattttgact agaaatggaa atgagtccga ctcatctgta aaaataatgt 120  
 aggcgggtgct ttagctagtc ctgtaagaac aaccaatcaa ggttgaaaga aagagcataa 180  
 cacattagaa atacccaaat tatgtctctc tgaaattaaa aaaaatgga ttaaagaact 240  
 gagtattgct tcaat 255

Name: N184 Len: 250 Check: 24D0  
 accaggtgca caccgattgc aggttcttcc gaccacgtta gggcgggcact ggcactggcc 60  
 tccattgggg tcacacacag aactcagaga tccctgaggg tcacattcac aagcgaggcc 120  
 tgccgtggtg atcaaggcag aaatgctgaa gatgatgttt ctgcagacat ctgtcatagg 180  
 tgttttcacc acactccggc tgttctccag acacctgtag cgttggaagg tttcccaggc 240  
 actgttgggtg 250

Name: N185 Len: 251 Check: 2F4  
 acacagaagg ttgtgaaggg gggaggggta acgtggagct gggcgcttc ctgacagaag 60  
 tggcagcaac cagcgtgacc tgtaagagat ccattgggtcc cccaaaatgc ccaggtctc 120  
 ccaagataa tatattcact ctaaaactgg ccattctaagc caattcttct cagtgcctt 180  
 gaccttctaa ctcatcttgc caccatattc ttccagagtga tcaaccacca taaagggtggc 240  
 cctagattgg g 251

Name: N186 Len: 250 Check: 450  
 acatacttaa ctgttagggc aggactccca ggtttactgt ttttacagag atcttagtat 60  
 ttcattcatgt aaataattta cctctccctg accttctatg ctttaccatt gcattgataat 120  
 atcattttcag gttatttaag agttaaattc ctcaatgcca gtaattataa gtatacactg 180

aacatggcgt tcagcatatg ctacaaaatg gcactgtgtc ctttgcataa aggtctcaag 240  
aataatagac 250

Name: N187 Len: 255 Check: 8A5  
acattaacac ttgggatctc actttgatga totactaggt ttgttatcag cccctgaag 60  
gcaaatacag cttgcatgcy tccacataca gcaccacaac catactctct tacacagtca 120  
ctccaggact aggagtctgc ttcatgcytg aagagcccta gatttgaaag atgaacctgg 180  
ctctttctct accacgggag ccagacattc attcaacact gttcattctt aaactgcttc 240  
acagcgaggc ctggg 255

Name: N188 Len: 251 Check: C7  
cttttttttt tttttttttt tttttttttt ttttttgatt ttcaatgata 60  
aacttttttt ctgaatatac tgtttttggc caagatttaa cacaacattt totggggata 120  
taaataattt ttataacagt attatacaaa tttttacaaa atgggttcat ccgactagtt 180  
aattttccca aaagtgtcca gagaacataa taagggggag aaaaaaaatc tgtttgtcac 240  
aaaagccact t 251

Name: N189 Len: 250 Check: 1DB0  
acaggcacat agcactagcc aaagattata ccttgattac attcccaaaa ggcagatatg 60  
ctgcaaacat gcagagattt cattcagntt ggcacatgga actaaatttt gatcctagta 120  
tatgtggatt ncaanttgct gtgcataatt ttgtccaatt ttactgaggg gagggcata 180  
acatttgttg ggctgtatct atccaattct gcctgtgaca aacacccaaa catcctaaaa 240  
tatcattata 250

Name: N19 Len: 255 Check: 3DB  
acaagctttt tttttttttt tttttttttt ttttttgtaa aatagtttta ttctccttca 60  
aacataaacc atcactcttg gggaaggga ggtggcaggg tgggtccacgg ctacttgaa 120  
tgggggtggg ggagattaag aagtccacc ccactgccta gctgagataa gattacatcc 180  
ctaacactgt gtataaatat ctcttctat taaaacaatt tttcagggtc cacttcactc 240  
tacctcaagc tggga 255

Name: N190 Len: 250 Check: 952  
acccatcaca atctcttttag ttcttccata cattattagg aaaagctcac ctgtttccat 60  
ctaattctgt ctctgtattc tgtctccata taagcttttt aggacttgc agctaaccag 120  
gctgaggagt gggaagaga ggagacaagg cagagtcttg tgacctcttt tacagagcat 180  
cctctcagga aatgctgagt ataaatgaac tacaactcct gatcttcacag gtgtttttga 240  
actacttttc 250

Name: N191 Len: 250 Check: 122  
accaggccct gtgcagttta tcagacattc gacatgtctg ttttttaatg cttgtggact 60  
gcagtccacc tcattctaaa tttttgaaca tgtaaaggaa aatacactcc cccaccttt 120  
ttgatacttt tcttactcta gtggtttttt ttttaatttt ttaatttttt ttcaattggc 180  
agcaaggtga taaaactagc caaattgtct tcccttttcaa agcanaatca tatcgtgtg 240  
tgctgtgtg 250

Name: N192 Len: 255 Check: 1CD1  
acgcaaacac cagtaggtat tgttggtaaa actcgtgcat gcacagaaag atcccaagtt 60  
ccagaacggg ggggtctgac agtgggtgtt gtcgtgggtg aaacaagtga agctaggcag 120  
gctgcactct tctccttttc tctgacgttt cttctccttc ctctccttct tccctcgacg 180  
atgctccttg aacagctgca gtttgcgtgc cactccttg gccgcagcct ccttgzaggg 240  
gtgaaagtgg ctctt 255

Name: N193 Len: 255 Check: 11FE  
acagcaccag gtctgtggca ttgggtcaca gtccagctgg acaccgtggg cacacctcgg 60  
atctctggac ttagtctagg acagacactg tgttttagct gtcatttggg ttaaagggtg 120  
gtttgtgtgt aacagtgcct atcataccac atgtcagcag ctcttagcat tactgagggc 180  
aaggagggaa ggactaacag cacaccagct tggtaagatc ataaatatag aagcttaaat 240  
tatoactgtt gccag 255

Name: N194 Len: 250 Check: 1AF  
actcacaag cctgtgggctc aattcttagg gaggcagggg aattcccaaa ggaattcaat 60  
tcaatattaa aaactaaagc actctacaga cattaggaca cttcagaaaa tggacatttt 120  
aaaagtgtcc acgcacaccc gttatgtgac aacctcctat aatctgcctt tagtccca 180  
ctcaaacctt agcatcagtc ttttatgacg acaatctacc gtggccctca aaacattggc 240  
ttaaggttag 250

Name: N195 Len: 255 Check: 1A04  
acgtttttcag gctcgagtc acggagaagc acactggctg ttcttaactg gactgcagcc 60  
agccactgca gcaggagcag gtccctttac ttccgggtgc tttagagagtc actcagcaag 120  
atagttcaga tcttatatct gtctttgttt gtttttcaaa atcattaaat ctaaatagct 180  
cacttctgag caaaacctg ctctgtggac aattatcact gccagaatcc tccatttctg 240  
tagtgccttg tctga 255

Name: N196 Len: 255 Check: 26A1

actgggagat gaagctgagg aagaagaacc aaagcctata gaactgcctg ttaaagagga 60  
agaacctcc: gaaaaagtgt ttgatattggc atcagaaaag aaggtggtaa aaattacatc 120  
tggaaatcc: caaactgaga gaatgcagaa gagggctgaa cgtttcaatg tgcctgtaa 180  
cttggagagt aagaaggctg ctggggcagc gaggtttgga attcttccag ttccaacaaa 240  
aggtttatca tctga 255

Name: N197 Len: 250 Check: C00  
accagttaag gaattcaatt tcogagctaa gtgtatctac acggcagtgga tgggtgcgaag 60  
ggtgatccctg gcccgaaggag ataacaaggc cgatgacaga gactattacg gcaacaagcg 120  
actggagctg gcaggccagc tcttgtctct tctttttgaa gatttgttta aaaagttaa 180  
ttcagaaatg aagaagattg cagaccaagt gattcctaaa caaagagcag cccagtttga 240  
cgtcgtgaaa 255

Name: N198 Len: 255 Check: DD4  
acacaattta atatttatta tatgcatttt atatacatia tttttcaaca gctgtgtgtt 60  
tgctctgtgg tacaattctta aaaatttgct gattcatagt ctgtaaaaa aaaaccttac 120  
aaaactcatc aaaactcgca aactgatcag aaaaggcttt tgggaagacta gaaaaaatatc 180  
tttattgtct taatcatgca ttacacaaag aaaattctta gttacaccat aaaagtaagc 240  
acattctaaaa aaata 255

Name: N199 Len: 250 Check: 133  
acagagctct ctttaacaat gctgccccca aggaagatct gccagtgag gcgaggcttc 60  
ttcgggttag agatgtcata ctgcogaatg tccccgtgca gccagttgct gaagtagagg 120  
aagcggctcat ccaggggacag caagatgtcg gtgatcaaac caggcatttc tggcaacatc 180  
cagcccttca ctttcttggga gggcacctgg atcaccttct ccaactgacca ggtgcctccc 240  
tcattcttct 255

Name: N2 Len: 255 Check: 3B5  
acaatgcccc aagagtggct tttgggaggc agtaacttag catagggggg ggtcgggttg 60  
ccgactcgtt ggggattcag tgtggcaaaa tggggagagc gtggctcctg ctggtcttcg 120  
cgcagtgtaa atgaaccatc cgtcttctca ggaattattat tcagtgtctg gccagtgggt 180  
ctcatagggg tcacctctgt caacgggggtg tctgttatat tcgttggctg ttgatcctct 240  
gttaatttag ggaat 255

Name: N20 Len: 255 Check: 1469  
acagactgtg acgagataca gtttaaggag gatggctcgt gggctccgat gaggtcaaaa 60  
aaagggaagt caagaagtca ctgcctccta caatggggc gatggatgct tgagctccac 120  
attggagcat cagggtggctt cccacaaaca gtcttcaaat aaaaacaaga aagtggaggt 180  
gattgacctt accattgaca gttcatcaga tgaagaggag gaagaacccc ctgccaagag 240  
gacctgtcc: tccc 255

Name: N200 Len: 255 Check: 235A  
acttcttgaa actgacttca taacaggagt cattgtaagt tccacagaaa gcaagacgta 60  
tgratttccag ttcttgtctt gaccagcagc actccggagg cccagtgtcc ggtgcctctc 120  
ttgtacttga agcagggtta acagctctgc tgtgggctg tttccctcta gtatttacct 180  
caaggcttgg aaatgtattt tgaagacct tcagtcaaac gaagtaaaagc aaatgtcaag 240  
aaggataaac cactg 255

Name: N201 Len: 255 Check: 607  
acgtgcattt aggcataatg tttgtagccc agggctcctg tgctaaaatt ttacatgcct 60  
cactagaagt atggagcaga aaagcaggcg ttccgtgtct tttcccatct cttagatgt 120  
gctgtgctt gctgactgc ctttgcctgt gtgacatcac tttagccagag tcccactg 180  
tggcttctgt cacttctctt tagacaatat tccagtaagc ttgatctcat aattatgtag 240  
taattcatct agaga 255

Name: N202 Len: 255 Check: 1E26  
acaattctac ctttcgctga agagaatgac tgctcaggt: gtaaaacaagg agctagcctt 60  
ctgagcctct gttgattagc cccaagtaat ccaagctgaa gtaatgtggg cttctgttta 120  
atgataatcg ttaattatct atgatatatg tttctttttc cgtctgact tctactcag 180  
tcattataaa cacagacttg aaatcatact ttaaaattcc aaatgcctaa agatgtgcta 240  
aactggaggt aactc 255

Name: N203 Len: 255 Check: 22A2  
actactgaca tcatgaadca tgtgaactca ttagaaaaca taactcaatg agtttagatct 60  
acaaacaaga aagaacatga agttttctct gttcatgaga gaaaacctgt cagtcagcaa 120  
gaagtaaatg ggaactgctt gaatgttctt tcataaacct aggaataaaa gccaggctca 180  
tcagttagaa cttggagaat ttaccacac aacctgagct gtttaagaaaa cattggactt 240  
tcatttcagt cgcac 255

Name: N204 Len: 255 Check: 1F58  
acaacagttg ttggtcttga cgatattatg gatgaaggag ttgttaaaga aagtggtaat 60  
gataccattg atgaagaaga attgatttta cctaacagga gtttgaggga cagagttagag 120  
gacaattcag taagatcacc aagaaaatca cctcgtttta tggcacaaga acaagtaaga 180



agtttggagac aaagcaactat tgccaagcgt tcaaatgcag cacctctaag cacaaaaaag 240  
ccatctggga agact 255

Name: N205 Len: 255 Check: 1F3B  
accacagttt ttaactgaag gaaccagttg gaacaatctc aattttaacta aaacttgaag 60  
aactaaaata acaatgcaaa gctttagcat tgttttggcc aaacttgtta aaactgtaat 120  
gcaagaacca aatgcaactg gatgtggcac caactaatta gcaagcatga ctttttcacc 180  
tgagagtga aaaaggaaac tctaccatgg ctggaagta aagagcagaa ctcttgacta 240  
ccattctgat caaga 255

Name: N206 Len: 255 Check: 18F8  
acattactga aggactatga attcttacag tgacgcttca caccagtgc atgcgcacac 60  
agggtgattc agaaggacag atggaacggg gacaatgtgc agaaaagcaa tcaaggggtta 120  
tggtgctgtg ggctctctct agatggtttc atgtcagctc ctaagcgtc attctacaca 180  
gtaagcta at gctggagcgc aactcccaag atagagcag ctgtctcata aataatgaag 240  
tcttttctc aggca 255

Name: N207 Len: 255 Check: A5D  
acaacttggga actcacatat gaaaatttta agtcagaaga aattttgaga gctgtgcttc 60  
ctgaggggtca agatgtgacc tctggattca gcagagttgg acatattgca cactgaatc 120  
tccgagatca tcagctgccg tccaagcatt taattggcca agttatggtt gacaaaaacc 180  
caggaatcac ctgagcagta aataaaacca gcaacattga caatacttat cgaaatttcc 240  
aatggaagt gctg 255

Name: N208 Len: 250 Check: B6F  
accaagagc aaaattttac ttcctctgga aatgattgac tacatgtggc tcccttttcc 60  
ttaggctaag tgagaaatac agtgaagtag ctgcctggac agaaagtaag tttctgcttt 120  
acagagaaca ccggtgagtc atagagtcag gggaaaggtca ctgggagcac ttggctgtgc 180  
acaggtctctg gagcatctgt cttaaatgcc ttgagacac agtaaatgtt aaggaagaca 240  
aagttgagag 250

Name: N209 Len: 238 Check: 93C  
accaaatttg aatcattgca aatacattta gcttctgaaa ctccctgccc aaatgctgcc 60  
ttcgctagaa catcgtaaaag ttccttcagc catcatcaga ttccaattcc tgggaagcct 120  
cttcagatga gotgctccgg tggatccgcc catcactctt catactgtgg aaagtcttct 180  
tgaatgccc catcatggcg tgcgcagct tcttgccctc cagcttctc tcacattg 238

Name: N21 Len: 199 Check: 19CE  
cttatcccca aggggtgctga gaattccaaa ggttatgact ttgaaattaa gtttaatoct 60  
gaggctgggtg ccaactgcct tgtcaaatac gggactcaag tgtatgcacc tctcaaagaa 120  
ctcttgaatg aaatctaaga agaaattagc tnanctctga ataaaaagat gggctctggag 180  
gatactttac aacgactga 199

Name: N210 Len: 255 Check: 8AD  
acataagtgt gtatttccat atgcatacag taccacagta aggttaaagg tataaaccag 60  
gcatggtaag aaatcagtaa gagtgtaatt acaacatacg gcatactgca agtcatttaa 120  
aaaaaacaatt acttctagaa tttttctcta gtatttttag atcacagttg attgtgggca 180  
gcaaagatta cagaaagcaa agccacagg aaggggaatc cactatgttc aaatccccat 240  
tcagtggaca tttct 255

Name: N211 Len: 250 Check: 20F  
acatagtcag cagatgaaac cctcttctc cagctcctac ccgagagctg gctctaggcc 60  
tgtgttatat gttctattta gtttttata tatgaccctt gatctgtgta ttgaaacacc 120  
gtgtgtgtcc acttaocttt gtgcagacgt gcacattgcy tatgtgtata tgctgtctc 180  
atctagctta tcaagagttc ggcaggagag ggaagcctgc ggcgagaat gactctttg 240  
ggatagtgt 250

Name: N212 Len: 255 Check: 26F6  
acttgttata ggttactaat ctccaatgag tatcaccaca ggaataacca aaatcaaata 60  
atggaacaga agactgacaa agtgtttcac atcctggaat tagataccaa gtcagaagt 120  
gggttggaa gtgttgcaaa ggagactgta ggactaagta tattcttgta ataaaaccag 180  
caatatcaac agagttatca tctcaactct aatttcttcc cctcaagaac aatttgaatc 240  
tctttggcat ccaaa 255

Name: N213 Len: 255 Check: C1F  
actcgaggca cagaaagctg tatgcaaaaa agcaccagag tcagacttcc ctcaaagtgt 60  
aaactctgga gcaagacaa ggggtggaaa gcatgtccc ggaacactta aacggaaacg 120  
tgctttccca actggaaaag gtgttctacc accctccggc gggccggaag gagatccgg 180  
aagcggaaat gcggtatgata gactttgtct acgtgttccc tagcaacaca gtatagagg 240  
ggtatgttta cggct 255

Name: N214 Len: 149 Check: 157  
acctggccta gtgcacttag ctctttttgt ttctttgttt tgtctgtga aacagggttc 60  
cctgtcttg aactcgtct atagatcagg ctgggttcaa actaagagag atctgcctcc 120

caaatgctgg ggttaaagga gtgtgctag 149  
 Name: N215 Len: 255 Check: ED3  
 acccttgggg tgtgggtgcag gttgagaacg aaaaccactg tgatttttgtg aagetgaggg 60  
 agatgctgat ccgagtgaac atggaggacc tgcgagagca gacgcacact cgcactacg 120  
 agtggatcag gcgctgtaag ctogaggaga tgggttcaa ggacactgac cctgacagca 180  
 agcccttcag tctccaggag acatatgaag caaagaggaa tgagtctctg ggagagctgc 240  
 agaagaagga ggagg 255  
 Name: N216 Len: 255 Check: 43A  
 actgagatga aaagtgtctt aacttttagt atttcaaagc cagctttaat ttggaacagc 60  
 aacaccatcc ataaaaatcca gaacaagttc tcttgtagg aactttccat atgttatgat 120  
 ttggtcacaa gttgatagtt gttacatata agtttccatt tctccattag aaaattaggt 180  
 aattgatgga ttctttgaac agaagcatca ctacttatta aaaagttaga tatatataga 240  
 atgcttttaa ggcaa 255  
 Name: N217 Len: 255 Check: DF7  
 acaagctttt tttttttttt tttttttttt tttcttcgga gctgggggacc gaagtgtctt 60  
 accactgagc taaatcccca acccttcacc gttacatttt gtgtggagca tcagtgcgct 120  
 gcctgagggg cttgcctata gagtctgtgg tcatcctgtt ggccaacagg tattcctttt 180  
 gttggaccaa ttgcatttcc catctctctg tgggtgagat gaggtgtgag tctgggatgt 240  
 aagtgcgaag agtcc 255  
 Name: N218 Len: 250 Check: AEE  
 acaaacagtg ctgcagacac acgtgatcgt tggactctct ggcaatccta attgctctct 60  
 gcagggcgag ctctgcctgt tgatagtggc cgaagcggca gtgcagggca gccaggttga 120  
 gagcggcgta tcttaggctc cggccataac cttcttcccc attacttttg cctctctgctc 180  
 cagtgagaat caggcgggtc aaataatgaa ggaggctgtg cgttgagctg aaaacatctt 240  
 gaacacggag 250  
 Name: N219 Len: 255 Check: 224A  
 actgcccacc ccaggagct gccaaatgtc caggctactg tgttctaacc aaatagaazc 60  
 agagctctac acttcagttc cacaaccact tctggccctc actgagccct gccagctct 120  
 tactctgcc tacatgtatt cctttttcac acgagccctc caccctgcag acttacagaa 180  
 ggccgggata tggtttgtgc tcttccctg cgggccttac ataaagtgtc cagaatcaga 240  
 gatccttga ctgag 255  
 Name: N220 Len: 255 Check: 39B  
 actggcacat gagacctaga gcaggaccaa cttctcacac atagtcaagt ggaaaagaaa 60  
 gtgccttgaa agttctctcc tcacctacac agtagctgtc atgtcgagac ctgccagaga 120  
 gagacacatt ctcaagtga tcttggttct ttggaagcgc ttgcctagac gagacacagt 180  
 gcattaaaaa aacttttggg ggacaggtat gttttttctg cagctgcagt tgaaggtct 240  
 tggcaagacg agcag 255  
 Name: N220 Len: 255 Check: 25AD  
 acagctccag ctctgtctca gtctatgtga cttttgaaag acctttgttc tgtgagctgt 60  
 gatcatgtgc agtggaccag acctgttccc acctgcagga gagctgggta tccacattag 120  
 ccgcacctcc ccctccagca ctgcacctac ctgaggacat taactgggat ttgatggcca 180  
 gcaacttgta tgcgattcat taagtggccc tggcagagca gccacaccca gctgcaaatc 240  
 tgggccaatg aggga 255  
 Name: N221 Len: 255 Check: 4CE  
 actgttgttg gcagaagctc tccaaagctc agactacatc ctgtggggcag ttcccagggtg 60  
 gggatgttcc cctggccttc accaccactg acctacccct ttctccactt tcagagacag 120  
 cagctctcca cagggacttg tagaacagct agaaagggt gtagtccagc cctggctgtg 180  
 gtctcagca gagatgacag ttctgtgaac tctgcccagt cttccctatc tgacatggaa 240  
 aagtgtgga cttgg 255  
 Name: N222 Len: 255 Check: 102D  
 actcttacgg agaaccaaga tttgggttct agcatcctca aggtagctca caactctttg 60  
 taactgcagt cactgggaat ctaaccctct cttctggctt ctgctggcac caggtgagtg 120  
 tgatgcagac aaaaacttta aaaaaaatgc tacacatcat cttcagaaaat agtagaagta 180  
 tatttctatt tgcaggctgt tgagctgagt ctccctgctg gtggactttg taactgactt 240  
 gggaagttat gaagg 255  
 Name: N223 Len: 255 Check: EDE  
 ctgaggttct gggccgccca caagcagtga gttgtcactg tctccttagg gtggttggtt 60  
 agagatctga gtcatgcctt cagatctcaa accaaggcca gggaggaata gatctaaaag 120  
 ccatgcttac cgtggagcac attctaagat aatatctgct gatactggta acagaggcca 180  
 gactccgagt tctggccatg gaaacaacat ggccggtgco tctctgtttg gctcttgga 240  
 tgcaataagc cagtg 255  
 Name: N224 Len: 255 Check: 1E9F  
 actggtgggt ttttaatttc agcccacaaa tccaaactcc gctgtctcca ctttgcttag 60

ctgccccaga acctcacc aa ttgcaaatcc tcccttttgt cttttgtcga ctctgaccat 120  
 cttgtgaacc ctctcttccc catccttcag tggccatacc tttcttgggg aattttcacc 180  
 cccagtcacca agatagagct ccttggaaaa agctacccaa gattatggga gtaaatgcaa 240  
 tgagtgaatt ctcc 255

Name: N225 Len: 251 Check: 1B39  
 acaaaagtatg gcttcagttt ctgactaata gcttcagaat tcttgcctga cacaggcagg 60  
 aggtatagca agcttggaca ccagaaaacac atcactttga ccacagtcg agctctgccc 120  
 agcatagaat actgttagct acttccctaa acatttttagt tttccaaagt gaaatgctgt 180  
 ccacttgagc agattgaggt ttatgcacga gaattctctg aagtcctatg tgattcagaa 240  
 tgctctgttg c 251

Name: N226 Len: 255 Check: 1CC2  
 acttgccaaa aacattcaac atacactgaa gccatatttt tgtttactga aactcaaaaca 60  
 taattcttaa tgctttcaca ataaatgttc ttaaaaaattt tgggttacgg ggttggggat 120  
 ttagctcagt ggttagagcgc ttgcctagca agcacgaggc cctgggttcg gtccccagct 180  
 ccgaaaaata gaaaagaaaa aaaaatgttg ttactcaact ttaaatgtta aacagtaatt 240  
 ttgacgaata attgt 255

Name: N227 Len: 255 Check: 1413  
 acaagactaa ttttattaa agataaaaca aattttattt aaatttataa atattctaac 60  
 taaccccagc aggaaacacc ttgaattgaa acatattatg tagtttccag catattaaag 120  
 acatcagcaa gacacccgat tgatatttta actttttaa actattaaaa ccaatttaac 180  
 acaaggcctt tttgcccctc ttgcaagact acctgggaagg aatacatgtc tcttgcctg 240  
 tcaatgacac agatg 255

Name: N228 Len: 251 Check: 14C5  
 actcatctac ctccaacagc actttccgta actcctcgaa gtagacaggg aaatctgctt 60  
 ctacctgaag gctttcaata gcaaaaaagg atgccatcga ctggatgata tcaccagcaa 120  
 gatcaatata atcagtattc accgtgatct caccacttgg tttcattttt atgtagagct 180  
 ggccaccgtt gcgtaaggac gtgaaacaga cgtgaaacgg ggcgttctga atgttactgt 240  
 cttctggcaa c 251

Name: N229 Len: 255 Check: 1C10  
 accgattcac ctccctccgg ctgtgggtgtg cacaggatcc acgctgggaa ttcattccac 60  
 gtgggactaa aggcgtaagg cgaccgggtc tctgtcttct gctgcgttca cctaaaacac 120  
 cgcgttattg ctacagccac actgaagtat ttgtttgctt tcatttaaag aacatccac 180  
 ttcacagctc tctacagatg ggcagctccc agggcgcttc cgtttgtctt cagctctgac 240  
 aggagcagat tccac 255

Name: N23 Len: 255 Check: 12B9  
 acacgcaaaa cacatcaaaa agtgatcaag gaggtgcaaa acagaaagtt aacacagtgg 60  
 tagatgcaac cagagtgaag cgctggtcaa agaccctgt caaaatgaca taccctctag 120  
 aagggtgcagc tgatttcacg gacactttt aaacaccaga tctcaaaag gaacccatag 180  
 gtgatgatga aactaaagtc ctttgcaaat cccacaacc caaaacagag aacctcaagg 240  
 caagcgcaaa gccac 255

Name: N230 Len: 255 Check: 1C2E  
 acgaggacct gggttagatt tttgtgcttt gtctttttct tctttttttt ctttttggtt 60  
 ttttcccttt gaaccagcca ccttataaga agatgattta ccatatgaaa atgctcattc 120  
 cttcaggaaa actaatatct ctatcttcct ctatttttgt ggaaatacaa aatgggttgg 180  
 ttaacataga ggggatattt ttgaagatgt aattgttttt tgttttggtt tgttttggtt 240  
 tacttaattct ttag 255

Name: N231 Len: 255 Check: 18C1  
 accgacttac tctagaccac actaacaagt ttcagtgaac ttgagggcca agcaatgtcc 60  
 cctgggtaag agctcttggg ctggtgcgtt tttcagagca gagccactgc aggtaaactg 120  
 tgcccagggc caccgcttgg gcagagcctt cctgtggaa gcaataacta gttctctgta 180  
 gagaacctga gccgggagag ccgggcacgt agccagactg ggtcacagcc tgcatctcta 240  
 tccctgtgtc cctc 255

Name: N232 Len: 251 Check: 1877  
 acaaaatatt tagtaatatg ctttgccatt cacagtgggc actttctgaa aaataaattt 60  
 tgttaattgt cttagaaaca agaattctat tacagctca gtcaaaatac caagtctctg 120  
 gtgaatgaag ttacctcggg acaacagcat ttaaaagtaa ggtttgtgca agccaccttc 180  
 atattctttc tgggtgtgtg tgggttgcct ttagagaggt cactggactt actatgttgc 240  
 tgagaatgac c 251

Name: N233 Len: 255 Check: 72F  
 acatgataag gaattctgaa ttcttagaat tgactatctc agatcatatt tgctgagaaa 60  
 atttcttagt gttcttttca cagtgaacat aatcctaagt ccttggatat ttttagaagt 120  
 cttttaactt tacacaaata atgaaataat ttttttttta aattcaaaag gtctacccct 180  
 acctgttaatt ttgcccccaa ggaaagtgt ttttaaaaga aaaaaaaaag gatacttgta 240

gagtggagtgaa aatgg 255  
 Name: N234 Len: 255 Check: 1441  
 CNATCNCAAC NANGACATCC TTNCNNAGAG GGNCCNGAAN GNGNCCANCN NNCTCCATAN 60  
 NCCNTTNTCN CNNCNTNTNC NCNTACCTNA NNCCNGCNCN TTTTNGGAAN CCCCCCTTCN 120  
 CGGNAAACCT TTNGGAAANC CCNNTTCTCA CNATACGGCG AGNNGAGGCC CTCTAGCATG 180  
 CATGCTCGAG CGGCCGCCAG TGTGATGGAT ATCTGCAGAA TTCGGCTTTC NAGCGGCCCG 240  
 CCGGCCAGGT ACCCT 255  
 Name: N235 Len: 255 Check: 161  
 gtgatggata tctgcagaat tgggttagc gtggtcgagg cggaggtact tttacwrwg 60  
 ggtgacttt aaagctaaga acawggcnnn mnnnnnnnnn nnnnnnnnnn ccaatcccat 120  
 ataatactca ygcattggtt tgcattata cagacttctt tccaccaccg ttgttgaaat 180  
 ttttgaagggt tggaaagggc aaacwcnhhh wattggctgc tgaccaatgt ckctcgctgg 240  
 ctggtgctca agacm 255  
 Name: N236 Len: 255 Check: 3E1  
 caatgtttac agatgggtga cgtttgcaat gccataggga atggtgagac tatgttacca 60  
 gaccccttaga tttatgagta ggtgggttga gttaagccta tgagaggatc tgttgagcct 120  
 ttttaaggcta agctggtaag agttccgaga caggtgggtt gtttagagtga tttccctagac 180  
 ctcccttggg tctttctgtt gacagtctt catggcttca agcagatacc atatgcttcc 240  
 ttttagaggag ctgoc 255  
 Name: N237 Len: 254 Check: 1E46  
 tttttttttt tttttttttt aaatattctg ctgtgkctca cagaaaaaat accattnacn 60  
 canagncccn ancaangncc taagtttttt aatggcanca cnattataza ggntacaaat 120  
 gacctaaacg gaacaanaaa aaahhgtgtt atnnnggce cnnnnnnnnn cttgagtttc 180  
 taaactgtca gtaagcagtg aaaggtgtcg gattaactac ttggtaatgg ccaggaaaaat 240  
 acgatgaaga tggg 254  
 Name: N238 Len: 241 Check: 188  
 acaaggaatg cttctccctg tatgacaagc agcaaagagg gaagattaag gccacagatc 60  
 tcttgggtgc catgaggtgc ctgggggcca gccccacacc tgggggaagt cagcggcacc 120  
 tgcagactca tggaaatagac aagaacggag aactggattt ctccaccttc ctgaccatta 180  
 tgcacatgcc aatcaagcaa gaggaccaa gaaagaatcc tctgggcatg ctgattacag 240  
 a 241  
 Name: N239 Len: 255 Check: 1352  
 ctctcttgaa ctactttcag aggccttgta actcaggagt ggcaccaacc gtgcttgaac 60  
 ccccaggctc aaatgtgtt tcaggcatac tgcagaaagt aactatcata aattccaat 120  
 agctggaaac caacatttcc taaagactaa aatttgttcc aaataaataa atgagcaaaag 180  
 tcaggtaata accttttcaa aggtggagt tggtagctt gagtgatact acctattcct 240  
 gagtctctg gatac 255  
 Name: N24 Len: 255 Check: 24B2  
 cgtcaagtcg gcaaaagaca acgaanggye ccccgnnccc nnnnggataa aaatgcygct 60  
 gttttcyctc gtggcgggt ttttttgtt ttggtctann nnnnnannga aannannnaa 120  
 ngaaaccccn tcaataattt ttcwwanac actaaaatat ccaacygmag aaatcatttc 180  
 ggcacatccc gacctccgat ctccctgtt ttaataactg tagaaaagca tctgtgtcca 240  
 cttgttggcc gaaga 255  
 Name: N240 Len: 255 Check: 1D91  
 acacggtggc acacatacta ggatagattt gcttcaacta agccccacgg ggagatgcac 60  
 ttcatatcaa atttcccttt tgggtccctt gagggagaag gattctgtgg gacttacaaa 120  
 gggctcatgt atatgcagaa agccttccca tcatattgca ttgtgaccgg tggcaagcca 180  
 tcatcagtag gaaaacaaaa caaaacaaaa caaccaaaaa aatgaacaaa aaaccgaggt 240  
 tagtctaaaa tctaa 255  
 Name: N241 Len: 255 Check: 1CBA  
 cttattgata agtggatatt agcccataag cttggaatac ccaagatata attacagacc 60  
 acatgaagct caagaagaag aaagacaaaa gtgtgaattt ttcagttctt cttagaaggg 120  
 ggaacaaaa actcacagga ggaaaaaatg agataatgtg tgaacacagag actgaaggaa 180  
 aggccatcca gagattgcca cacatgggga tacatcccaa atgtagtcac ctaaccaggt 240  
 cactattggg gaggc 255  
 Name: N242 Len: 255 Check: 217B  
 actttgtaag gaaggagaaa gagaatgcac cctgatacaa aaaatattgc ctatttatat 60  
 attagcaaaag atttatgaaa cacattccaa atcaaatgtt gctatggaaa caacagactt 120  
 aagtagagaa gcacaaagtc ctgaagcacc cgcaattatt ttaatcagga aaaatgatat 180  
 atttatatat goatatgcac atataaatt tgagaagaaa taaaggcaaa attctaaact 240  
 taatcagagt ttgta 255  
 Name: N243 Len: 255 Check: 1BF  
 acaaaagact tcttccatgg actactttga taagcaggac ttcaagaaca agagtcatga 60

aaattgtagat cagagcatgc gtgagccatg cccatgtca aacaatgttt ttccgacaa 120  
 ctggagaggt cctcagatg gagacttga ttttttaaaa aatctaagtt tagaagaact 180  
 acagatgagg ctaaaagcac tggaccccat gatggaacga gaaatagaag aactgcacaa 240  
 aagatacagt gggaa  
 Name: N244 Len: 255 Check: 1D27  
 actttaagga aatttatgta gcatttactc atccatcggt tatccggccc ctttctatta 60  
 cccaggcatc agtgaacatc agcaaaaaaa aaagtatatc ttgtgaagct tactttctca 120  
 gatattgttt taaaactatg ccattataaa atagtatatc tctaggggtg agtaggtagc 180  
 atttatgcag aaaggctaca gtcccaaacg agctaccata aatatttttg aagctattcc 240  
 ttttcacctt aagat  
 Name: N245 Len: 255 Check: 162E  
 actgcacccc caccctacc tcaagagtgc ctcaattcta caccgagctc ctcaactcaaa 60  
 cttggcacc cagggaatagg atgggtttct caattagaaa agacatatac atccacacac 120  
 ccataatata aacttttttg ttttaacat ttaaatataa aaataactact ctgctttgag 180  
 ttataaatgg aggaccaaga aacttttttc ttccittaca gtaggggccat ttgtcaggtg 240  
 aactgtgttt catga  
 Name: N246 Len: 255 Check: 1B3C  
 acaatttaga aataaattat gaattattcc taaaaatata caaatgtaaa gtgaaaactg 60  
 aagttctctc gtattgcata gtattgcaga ttctctgtgg aaaccataag gctattttgt 120  
 ctactttgca tgaatacttc agacttgtat ttccagagcca agcagtaact aaaatgtgga 180  
 ccttgctttt cagagataag agttcttaac tatatgcctt taagtgtttc cttctaggct 240  
 tcccaccaag tggtt  
 Name: N247 Len: 255 Check: 1E17  
 gcttagcggt gtgcgggccc aggtacctgt ggtgtttgat atatagatga cagttagacg 60  
 cttactagtt cttagccttc aaggaggtag acctgggtt tcatcctata aatttctggt 120  
 ggtggtgata actcataaat gtatgtttgt atgggtattt tcaactaaat agcagtagaa 180  
 atagagatcc aattccttta gtacctgccc gggggggccc tcgaaagccc aattccagca 240  
 cactgggggc cgtta  
 Name: N248 Len: 255 Check: 1F64  
 nntagnacgt nannctcggg cctctctnng agcaogcttn agcgccccc agtgtgatgg 60  
 atatctgcag aattcggctt agcgtggctg cggccgaggt actaatcagc cttgaacatg 120  
 gttacagct ttctccttc gagcagttct ttccagagaa gaaatcagtt ttgatctttt 180  
 atagtccgtg cctgttgaaa acaagctttt tctttccccc aatgatgacg cttcattttt 240  
 gaagtgttga agctg  
 Name: N249 Len: 255 Check: 1747  
 acnctactan ntagnacgtn anttctctc gaggccact ntactatagg gccaattggg 60  
 cctctagat gcattgctga gggccgcca gtgtgatgga tatctgcaga attcggctta 120  
 gctgtggtgc gggcgaggt caagctttt tttttttttt tttttttttt ttttttagga 180  
 tcacagatac nctgtttatt caaataaagc aagggaaca aaggggcgnct ttcttaaaact 240  
 ctntntattt aacag  
 Name: N25 Len: 255 Check: 1C07  
 accagagtan ataagaagt agttttatc aaatttaagt caggaaacac aacatannta 60  
 ccgcttcaat ttcttcacac tgatgaattc ttttgctgtt aacacacaaa ttcaacctgt 120  
 gggcttggtt gctaaaacat tctaccgaat gacgggtaca ttttcttcac ctactttgca 180  
 aacaacgaac acctgcgccc gcacctatt tccgctgtaa tttatgctgt gatgaactga 240  
 tgogtgactc cccac  
 Name: N250 Len: 255 Check: 514  
 acnccctnnt agnacgtnan gngctctttg gaataccact tctatanggc naattggggc 60  
 cctctnganc angttgagc gggccgaggt gtgatggata tctgcagaat tgggctttcg 120  
 agcggccgcc cgggaggtga ctaaaatgggt agttcttgaa gtctaactct gtgctaacag 180  
 atcttcattt taaatagaat acgggtttta tttttgataa gctgctgaat tttaaagaga 240  
 gttttttggg gccac  
 Name: N251 Len: 255 Check: 627  
 acaaaaagtc tctcagagat caaatggcca tctccggag atgcttcacg ggtatggctt 60  
 tcagtcatc tcaagtctta gccatgggac caacgttagt gttctgtgtc acgtagccac 120  
 aggtcacggt tacatgtcat ggttaggaa aatactggca ttctgggttc tgtgaaataa 180  
 gccctacct gtgcattcaa gcaaaaggga aaaacaggca aaagaaaaaa gggggatggg 240  
 gagaaagcac tgtcg  
 Name: N252 Len: 255 Check: 13  
 acnccctnnt agnacgtnan gngtctcag noganannnn cnnnacnnt cnncnctncc 60  
 cctnctccc ncnctnccc nnattcttc gaatccact ttgantacc gtngaattgg 120  
 gccctctaga tgcattgctg agcggccgcc agtgtgatgg atatctgcag aattcggctt 180  
 agngtggctg cggccgaggt actgtaatgn tgncaataat gnggaatat atatagtttg 240

acagaatcat attaa 255  
Name: N253 Len: 255 Check: 2130  
acnccctnnr agnacgtnan tntctogaan ccccttntnt aannccctng aagnccacnt 60  
ntcactatan gggaattgg gccctctaga tgcattgctg agcggccgcc agtgtgatgg 120  
atntctgcag aattcggtt tngagcggcc gccngggcag gtgcttcaga antcaccagg 180  
acttcacttt taggaaaaac ctgtggcag ccaaggaccg gcacacacag atccaggagg 240  
aactgcagac aaatg 255

Name: N254 Len: 255 Check: 2387  
nntagnacgt nan.netcttt gaancccttt ngnaannccn tngncccttt tgaccncttt 60  
agcngncgcc gtgtgatgga tatctgcaga attcggttt cgagcggccg ccnnggcagg 120  
tgcttcagaa ctaccaggga cttcactttt aggaaaaacc ttgtggcagc caaggaccgg 180  
cacacacaga tccaggaggga actgcagaca aatggagata czaacagtcc cagggcacagc 240  
aacagtcacc ccac 255

Name: N255 Len: 255 Check: 1683  
ttntaagge cnattgggce ctctttannc annctntagc gncgcaccgt gtgatggata 60  
tctgcagaat tgggttttcg agcggccgcc cgggcaggta caagtgtgtg ctaaaagtga 120  
gtcttagacc ccagatactt tgtcactcat attacaaagt tgacatatct ggctaaaaac 180  
agtctgaaga tttttattca ctgagaacta tggttattaa aaccaagctg ttgacgaaaa 240  
tataagttaa azata 255

Name: N256 Len: 255 Check: DA7  
acctttggga gtgcctttct tgggtgtgtg agccctggaa gaactctgaa gggcgtctgt 60  
tccgatttgc tcttccatgc acacagatgg aagcagccgc cattggaggg gaggaatgtg 120  
tccttgggtct gaccgacagg tgtcgttttt tcatcaacga cactgaggtt gcacaaata 180  
tcaagtcatt tgcagtgtgt gatgactttc tactggtgac aaccacattcc cacacctgcc 240  
agtgtttctc tctaa 255

Name: N257 Len: 255 Check: C4F  
cncctnnnta gnacgtnant ntctcttgn gacnacgtnt cactataggg cgaattgggc 60  
cctctagatg catgctogag cggccgccag tgtgatggat atctgcagaa ttcggttag 120  
cgtgtgtcgc gccgaggtac agcccatcta gccctcagnt gccagaggga cctctcctac 180  
aaccttataa tgtaagtatg ccttgcctct cgcacccccc accttagtga aaactattgc 240  
cttacaccta gtac 255

Name: N258 Len: 255 Check: 1A3A  
acaagatccc cacctgtatg caattctctg ggtcatctgt atcctcacat ctcaagaga 60  
aacctcaccg atgaacacgg caccattaag cccctttctg taatggattt caatcacatt 120  
tactgetgag attactcagg caggtgagct gatgctggac acgaacccct cagtaaaagt 180  
cagttttagg caacccctta gttttccttt agacaggtat ccacagrtca taaggacttt 240  
ttttcttato tattt 255

Name: N259 Len: 251 Check: 201F  
actctgcttg ttgagaagca gccagtggct gaacctgagt aggtgggtta aagtatctgt 60  
gootcatgac acagacgggt gtaaaaatct gaagtgtatt ttatcagcta cctggatgtc 120  
agtgcacaca gacgtgcact ctctctcatga ctgcaacagt gatcgggaag aggaaaaacc 180  
tcaactctgc ctttggtctt gtgaactaat ttcagttcag attctaagct gtgctcactc 240  
ccattttgaa a 251

Name: N26 Len: 255 Check: 46C  
actcaggaaa acacaacggt atttgcattt acttttctcg aatcatggga aatatttggg 60  
atgctagctt agttgttgaa agagtattca agagttccaa caggagagac actgcaattg 120  
aaagcagctg gccatccag ctgctggagt cagtgctaca ggaactgaag ggtttgcagg 180  
aatttctaga cagaaattct cagttttcag gaggaccact aggaaatcca aataccactg 240  
ccaaagtga gcaga 255

Name: N260 Len: 255 Check: 7AB  
cogctccaca agcacatgca gcgagacttg atcagtgact agtccctgtc gtcgcatcag 60  
cagctctaag tcttttggct tcacagcttt acggccggca tgagcagcaa atacctccag 120  
atcattgcaa aggcgctgga aatactctgc taggcacttc tctaccatct caagagccac 180  
tttctccacg ggcattcttag tatggaaact gaagagcttc acatagtggc tcagtcgggc 240  
cttgtagggg tcttg 255

Name: N261 Len: 255 Check: CB2  
caggacacac tatagccagc tgcgcggccg ggctgagggc tccagtttct gcacagctcc 60  
agaggctttc caagttaatt ctgaacatgg ctaaagggaag agaggccaac attttctaaa 120  
ttgcaccaa tggcctgaaa gtgtaaaaaa cactagattt ttctttaaaa gctaatttgg 180  
gggtggtaga gttaaggga atgtctatat gtattttact caagcaataa aattagaata 240  
aggatacagt tttgc 255

Name: N262 Len: 255 Check: E2D  
accttttagt gagggccctt aaatttggga aagttccatg gacagctaag tttattcttg 60

aacataaaat aaggaggaaa aatgaactta tgagaacaca attgaagaaa agggaaagaa 120  
 aggtttaagt tcagttgcat cttagttcga ggaaacatga ataaaatttg attagattcc 180  
 gtaattacat gggtatttat ttigaacga catgttaatg tatgootgct tactgattga 240  
 gcatctatga gccga 255  
 Name: N263 Len: 255 Check: 213C  
 acacactccc aaacagttaa acccagctct gattccaact ctgcaagagc ttttaaacaa 60  
 gtgcaggact tgtctgcagc agagaaactc actccaagag caagaagcca aagaaaggaa 120  
 aacgaaagat gatgaagggg caacccctgt taagaggcgg cgagtggagca gtgatgagga 180  
 gcacactgta gacagctgca ttggagacat aaagacagat gccaggggagc tcttgacccc 240  
 cactagcacc tcaga 255  
 Name: N264 Len: 255 Check: 270F  
 acagtggagca gcaacgacaa gaaaacccaa ggccggacag gctggccaca gcacgtctgg 60  
 gccctggagc tcaagcagtg acgaagagga gagctagtga gccgggggccc aaggcgccag 120  
 atgctgaccc aggaactccc gaaagccctt ggtctctgtt ctgaggactt cttgcagttg 180  
 gatcatccgg tttatttatg tgaatttcc ttttccctct ttctgcccc ccccaacctt 240  
 tgaggcatct gctcc 255  
 Name: N265 Len: 251 Check: E74  
 acatatttca gtagcatgag gccgtccagg gtgtgcatga gcaagaccat gatgccagga 60  
 ttattttattg ctaacagaaa tggctacctt tgtaaataga cctcattgag ccaatccactg 120  
 aactotttgt aagcacattt cccccaaagt ccagtgttta gacgacagtg gcaataatgt 180  
 attcattcta gtagtcagtg gtaaccaggc agcttgtata ggacattgat atttacctg 240  
 gttgctgtga a 251  
 Name: N266 Len: 255 Check: 144B  
 accacagaag aggagattca agaaatctgc atagagacac tttagacttta taccaggaaa 60  
 aagcctaact atgaattgct ggaaaaggaa gttagaaaaa gaaaagtagc cttacaggag 120  
 gccaaagttaa aggcaagggt attgaatctt gatggaaactc cagcccttcc cacttttaggt 180  
 ggtttttctc cagcctccaa accatcatca ccaagagaag taaaagctga agagaaatca 240  
 ccagtttcca ttaat 255  
 Name: N267 Len: 147 Check: 189E  
 acacacaaat actotttcttg ttctgataaa ccttgatgc ttgcagtga cttttctagt 60  
 gtattttctca tttctctgtc gctctgcttt aacttaacta tggcttcttc atgttgtacc 120  
 tgcccgggcg gccgtctgag cctata 147  
 Name: N268 Len: 255 Check: 172C  
 acaaagaact cagtgtcttc cggagcaaga cacaatgggt gccacgggga gaggccagggt 60  
 cagccaagtc accctctctc agaggggaca ggctccacca tcaggttcat cagtttttga 120  
 aaataaaaaac aggaccagaa acagtgtctg ttggttctgt ggtgtctccc ccacccca 180  
 gcaatgtctga agtctgtcca tccagttcca agcaaatata gagcaattcc aaccaacacc 240  
 catctttgaa aaagg 255  
 Name: N269 Len: 255 Check: 1A47  
 acacatatat ttatatattg cttgtcttcc cgtctaggtc atcagtttct acctttaagc 60  
 catttattta aaagctatt gcactgtctt ggtgaacagt gtgtggggct tcaataaaaa 120  
 agggctttgt gcgtgtctac atggttccac ctcttacttt ccaactgttt aaaaaaaaca 180  
 aaaaagtcgc atatcccaag gcaacaaacc ccacagaatt cccgaacca tgggcttgc 240  
 aaaaggaggt ggagc 255  
 Name: N27 Len: 255 Check: 20AF  
 ATAAAAACCA TCCCTCTGTG CATCCTCTGC TTCCCTCAGG TTGGAAGCCA GGA CTCTAG 60  
 TCAGCTAGTC CTGGCCGCTC TATCACAGCC TCCAAGGGAA GAGCTGCCTG CGAGAGGCCT 120  
 TCCTAGACCA CAACCCATGT TGCAACAAGG CAGGGCCTGT TCCGGGTCCT ACCTCCCAGC 180  
 AGAGTGGACC AGGTTGAGCC TCCCCCATC ACATACACAC TGTGTTGCCT GCAGTAAC TG 240  
 GCAGCTCTGT TCCTT 255  
 Name: N270 Len: 255 Check: 20C5  
 attttggggc acatgacaga acagaacgaa ataactaaac tgttatgaca ttaacggtta 60  
 ccatgcattt agagtctcac atgtaactac aaacttattt aaatttcaca aagtttgcata 120  
 aacatgccga ccatctatgt gtgcactgac aagcttatgt taaaaacttt taagaatact 180  
 ctccccctta gattttttca aagctttgt tttgattaca aaatttcaaa ggcattaagc 240  
 aattaagaga atata 255  
 Name: N271 Len: 255 Check: E0B  
 acctggaaag gctgaagctg ggggtgtctc cgaccaatgg gaattccagc gtcccttccc 60  
 tcccagataa caatgccttg ttgtgactg ccgcaccacc ctctgggggtg ccatccagta 120  
 taagatagag agctgggggc cctccccac cgtgtcatgg cacatgtcag agggagagag 180  
 gcttttttac ttotaacaca totgactgt gctggcagac tctagatttg ccatgcagggt 240  
 gtttcaataa atttg 255  
 Name: N272 Len: 255 Check: F3E

acagctcttg tgaatcagca cacagcaaga cggggcttct gttgggctt tgtgacttct 60  
 tacaggttct caaattggaa aggacaatcc atttgggtat tcaaccttgc taggccccag 120  
 caggagatag gctaattatct aattagotta tttagccatgc catagtcccc tgaactggaa 180  
 tggctacctt gcccatgcta aggtagatat gccaagagcc tgcccggtc tgccttgcca 240  
 ccacagagac gctat 255

Name: N273 Len: 255 Check: 3B1  
 acacattctg aagtcacct gaagattaac tcagccgagc aggaaataaa attgctcacc 60  
 gagcgctga aagatttga agacagcaca ctacgaaaca tcagaacagt gaggaggcaa 120  
 gaagaggagg atcttctgcg agtagaggcg cagcttagct cggatacaaa agcagttgag 180  
 aagctagaag aagagcagcg cagcttctta gccagagatg aagatttgac cgataagctt 240  
 tccagctacg agccc 255

Name: N274 Len: 255 Check: 15ED  
 aaagaatcat ttaatgtggg ggcagaaactg gcacagacag aataaataat agtgccttgg 60  
 ggagagtagt gatgaactgg gtaggcaaga aagagcctca gtgtggacgt gatcacacag 120  
 ataacatgga gatgtgcaaa gttggggagt ccatgacaga aatggcccaa cccacccaga 180  
 tagcttctct atttggttgt caactacagg gaacagacta ggcccggtga gcacagggtt 240  
 gggagactgg agaaa 255

Name: N275 Len: 200 Check: 17A9  
 acctataaca tcacacccaa caatatcaac tttatatagg ttttgtcaa aaaaaattag 60  
 gccatttctg ccaccattca caagcttaat agtgtcttt atttttttc ttgagtcctt 120  
 gataaaataa aataattatt aaaccataaa ataacctttt ccacttctaa tcttctgaaa 180  
 gcaacaggca ctttgatgtg 200

Name: N276 Len: 251 Check: FB7  
 acatgaaata atactgtgct tccattggat tttcttttcc agtctgggaa ttgtgaggag 60  
 tgctgtggat ttgtctctct catagcagt ttctgtatgg aagtttaacc totacaaatt 120  
 tgctgttgac gtagtgtgat tgaatttgg cctccttaag tgggcctcct attagtcaag 180  
 attagctggc ttgattgtgt aatctgcaac aaaaaggaca atgttctctt agtctctgat 240  
 ggtaggcaga g 251

Name: N277 Len: 255 Check: 1874  
 acataaaaaag atatttacag acataaaaaac attaaaaatag acttcagaaa taaacaggac 60  
 tctacaaagg atacttaaca ctgaaaagct cactactgaca aacatttaaa ttgacagact 120  
 caagttgata ggcacataat acaaatattg taaaacgtgt ctacagaggct aacactgaag 180  
 cacatctgtt tcaagactc cataaaaaat ccagacttca cttgccaaaa agtccaatca 240  
 attttgtctt agcat 255

Name: N278 Len: 255 Check: 1830  
 taagtgtggt ctataattgc atagaatata gacgttgctt taactggaag aggttgttat 60  
 agataacctt gattatcacc cagatggcat ttagaaccac tatggaaaca cccctgggtg 120  
 ggtctttgag ggtgcctcca gaagagggtt aacagagaag aggggaaggcc caccctagac 180  
 accagtagca ccattccacg gactgggggt ataggctgaa tataaaggta aaagcaacgg 240  
 agcaccgcga ctcat 255

Name: N279 Len: 255 Check: 126C  
 acctcttatt gaaatgaaaa tttagatgta atatataaag tgctagcgtt tagttcattg 60  
 cctttgttga gatagtcatt ttaacattta gaattcaaca atatttaata atataatttc 120  
 gtagcatgct ttcaaaaaaa tgaccattta ctaaggataa aaagattaaa aagggttgcc 180  
 tgcagagatg gttcaatggt taagtggtcc tgagttcaat tcccagcatc tacatgggtg 240  
 ctcacaatca tctaa 255

Name: N28 Len: 255 Check: 1E02  
 tgccagtcaa gctgcgggtg attgatacc tgctatgggt tacagaagga aagatttatg 60  
 ttgaaattga gctgcccagg ctgactaaaa ccttagcaac tataaaagag caaaatggcg 120  
 acgtgaagga ggcgcctcc atcctgcagg agttacaggt ggaaacctat gggtctatgg 180  
 agaagaagga ggcagtgagg tttattctgg agcagatgag gctctgccta gccgtgaagg 240  
 attacattcg cacac 255

Name: N280 Len: 255 Check: 2299  
 acattgggaa ggcagtatgg tcatgggaga tcaacaagca cagcttggtg gggtaacccg 60  
 ccattgaaata tcaactggct taataattta ctacaactgt tctttttatt cacactgata 120  
 ggcagtgctt ccacctgctg catggaaatat gaatatatac aacaaagtgt ggcttatata 180  
 aaaaaaaaag aaacctccat atggacaacg gggggggccaa accaatgaca catgcagttt 240  
 gctaattaca accac 255

Name: N281 Len: 251 Check: EAD  
 acacacagta gccactccct accacctctt tottgaaaaag tgaaatcttt taagcagggg 60  
 agctcagcat cagtttactg cagctgtgat tttaacaata cctttctata ttgagcctat 120  
 ggggtatgaa gatatgcaaa atcctgttct ttttagagca ataaaaagtt aactgatggg 180  
 caatactggg tttagaaattt taggtcttct aaaccatagc tttttcaggt ctgaaatcat 240



tttattgcca a  
 Name: N282 Len: 255 Check: 728  
 acttaagcca cattatagaa ataaggcatt tttatctagt aaaaagotta cattccattt 60  
 tgagatatat gataaattta gaaatgattc attcatggaa aaatgtagag ttacctgtat 120  
 aggtgacctat cctaggctta gagagagatg aatagacaga gaagttcagg ctgagattgg 180  
 gcagaggaag cataggcagg agaaaatgct aagtagttta gatattcaagt taatagatcc 240  
 tgatatagng gctcc 255  
 Name: N283 Len: 255 Check: 727  
 acaagctttt tttttttttt tttttttttt tttttttttt ttttaattta taattatttt 60  
 aataaccagg ttacattaa cagtcacttg atgagctttt ttgtttgttt gtttctttat 120  
 tctcagotaa ctcaatacac agttttcttc acggttcaaa ccaaacagct tttccatctc 180  
 tgagctgctt cacagctagc acaggtcaca aggagactca ctggctgtcc atagccacca 240  
 gacacagaac tgaac 255  
 Name: N284 Len: 100 Check: 10D4  
 accccaaaat acaagcaaac cacaatggat gctgtaaaaat ccatttctgg ggcaaaagt 60  
 tttttgttt gtttctgttt tttggtgtt ttttttttt 100  
 Name: N285 Len: 255 Check: 1BA4  
 acaatgaaga cttaaaacgt caatataaaa tgtaaattaa ttcattgaaga aactgaaatt 60  
 tatggactct gcacagggtga acaggtagct gttttaaatg tttttctttt ctatagtaaa 120  
 tatatatttc atttaattgga atcacaggaa aatacaacta tagtttcaaa ggcagctctg 180  
 taaactaaca cattatatat gaaaaaactt ttaccttttt cccactccaa gagtgagctt 240  
 taaggggctc aagag 255  
 Name: N286 Len: 112 Check: 248D  
 tttktttgct ttaattctcc atatktttam agtgcaacaa dgttcaamaa actactgaca 60  
 gtaataacct aggaogtcac agtaatggga ctttcagaat taaactgctc ag 112  
 Name: N287 Len: 253 Check: C6F  
 actcttacgg agaaccaaga ttggttctct agcatcctca aggtagctca caactctttg 60  
 taactgcagt cactgggaat ctaacctctt cttctggctt ctgctggcac caggtgagtg 120  
 tgatgcagac aaaaacttta aaaaaaaagc tactctyyct tcagaaataa tagaagtata 180  
 taaataaawa maggtgtgtg arctgagctt cctgctgtgt gactttttaa ctramttggg 240  
 aagtaatgaa gga 253  
 Name: N288 Len: 255 Check: 16D  
 agcttttttt tttttttttt tttttttttt tttgtttgtt tgttttgctt tgtttttaat 60  
 aggcattgcaa agattaaagt agtgaaataa aaaataaatg accctagatt gggcaaagaa 120  
 aacctctttt atgaagaaga aatttzaatg ctggattnnw aaatttataa gacctggctt 180  
 tatgggtggg tgtttatcgg taatttataa ccaggcgaag ttggtagtag gcaaattttt 240  
 aaaaagtgat agagt 255  
 Name: N289 Len: 255 Check: 22C4  
 acaggaaactg agaacactgg atatagccct cttccatctc ctcacacttg tctgcagcgg 60  
 tttcgatgtc actgatgggt gaggcaaaag tagcggctcc actctocacc agctgcttgc 120  
 agagggtggac actgtttgcaa gakgcggcac agtgacagtg tgtocatcca tcaactgtctg 180  
 cagcattcac attgacacaa aagtcacaga gaaacttcac gatatggtgg tggccagcac 240  
 agacagcatt gtgta 255  
 Name: N29 Len: 255 Check: DAB  
 accacgctca acgcagatga ggctgtgggt agaggggtgc cactgcagtg tgcaattctt 60  
 tctcgggcat ttaaagttag agagtctctc gtcaccgatg cagttctttt cccaatatct 120  
 ctgggtctgga accatgactc agaagzaact gaaggtgttc acgaggtgtt cagtcggaac 180  
 catgctgctc cttttcccaa agtgcctcac ttcttgagaa ggggaccctt tgaactataa 240  
 gctttctatt ctgac 255  
 Name: N290 Len: 255 Check: 45A  
 actcatacat aaagacaata aataattaaa aaaatgaaag acccaagtcc aagcctgtgt 60  
 aacagaagca cttgggagaa gcagcaaaat atgaagaaag tgcagcagcc atcgcttaac 120  
 aatatctcac tgcataagga ctgctagact gaacaatctc tyactgcata aggaccgcca 180  
 gactgaacaa tatctcactg cataaggact gccagactga acagtatctc actgcataag 240  
 gactgctaga ctgaa 255  
 Name: N291 Len: 255 Check: 1E15  
 acaagaaaaag agagtttcgc ctacaagtgc ctctcatggg cagggttctg ttccgtgtgc 60  
 agactaggaa tgttaactcc cttggttcta ggaccagcat atcttaattct ttcaacgaag 120  
 cagatgatat ggaagtcttc tggagactga agccactgtt cttagtctct tgagcaaatg 180  
 aacagacact gctatcattt gacaaggaat tcagactcag aacagagaca acaaagtatt 240  
 ttwdwadata attat 255  
 Name: N292 Len: 255 Check: 1CB5  
 acctgcactc aaagcggcta cacttgaggt cccattcca cagcatcak aygtgaagca 60

atccctgggta gtcagcccttc ccttgaagtc acaagtgcca cttctgatat tagaataactc 120  
 cactgcccagg tgtttctctg amctccctt cgatgtgggt cccwhnwggc agctgctgtg 180  
 tttggtaaga ctgggtccca caggatggta aatatactag tttatctgat gatgctaaca 240  
 tggtagactca ggggc 255  
 Name: N293 Len: 255 Check: 2D9  
 actgaagawa agagttttta tgacttaaaag gatagctgtt tttttacaca ggggatagct 60  
 tgacagtgtg tttctgatac tgccatcagg gacacccttg ttttgaatgg gcttccttgc 120  
 tatgggtggga aacactaagg aacattggga tctatgddc tgttgggtgc aatgatgctg 180  
 gcttctggac agtccctcga tgtggggagat tgtgggttaga catccaaagc atcactccag 240  
 tcagccacag tgact 255  
 Name: N294 Len: 215 Check: 2447  
 acaattaatg tatacttaga gaaaccagga taaacatttc tactatattt taactgaact 60  
 tgccatagca acatttttcc tgagaaaatt atcaaatatg ctgtaagatt ctacaaaatt 120  
 gtgagacata cctagcttca ggattatttc tttatgctht tttatttttg gttacacata 180  
 atctgctcag attctacagt aatgcttcta gatgt 215  
 Name: N295 Len: 255 Check: 2608  
 acaagccttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60  
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120  
 agaaaaaaag gxtataatgc cmaaaaaaaa aaaataaaac ccaaaacmga traaaaaaga 180  
 ggggaggggg aaaaaacmac caccgacmac cagggcgggc gctggggcag ggggatttgg 240  
 attmagggaa acmgg 255  
 Name: N296 Len: 255 Check: 17B  
 acattaaact ttacactatt acatgtcgaa cccaacgttt ccacatgggt ctgtttgcaa 60  
 agtccatggt cagtggattt cattttctac aacaaaaacc atggcaactg tttttggcaa 120  
 agarattaga aaaatatgag cttagagtta gagacgagaa tctgtgggtt aaagcatgga 180  
 tgcattgrra gctttccatc cagaggtcc cacagtctg cctttcatgc agctaactta 240  
 agrggrrtt tsrgc 255  
 Name: N297 Len: 254 Check: 195C  
 acaagccttt tttttttttt tttttttttt tttttttttt ggaaggttta ctattccttt 60  
 aatcttgtaa gaacactgag agaaaaaggg agggatgta gaatatggat aaattccctt 120  
 ataaaaacttt ctttacacaa ctttagcaga ttaayygtaa ahttgatggg aataargttc 180  
 acacattttc tegttagta agggatoca tgggggtaac tttmathttg acgggagcac 240  
 ctggttwgey atcc 254  
 Name: N3 Len: 232 Check: 814  
 acttcatccg ggatgagttt ctgagaatca gcactgctag tggagatgga cgtcactact 60  
 gctaccctca ctttacctgc gcogtggaca ctgaaaacat ccgcogtgtc ttcaacgact 120  
 gcogtgcacat catccagcgc atgcatcttc gccaatagca gctgctctaa gaagggaacg 180  
 cccaaattta attcagcctt aagcacaatt aattaagagt gaaacgcaat cg 232  
 Name: N30 Len: 255 Check: 158E  
 acattgatca agaagaactc aacaaaaaaa agccgatctg gaccagaaat cctgatgaca 60  
 ttacgaatga agaatacggg gagttctaca agagcttaac caacgactgg gaagaacatt 120  
 tggcagtaaa gcatttttct gttgaaggac aattagaatt ccgggctctt ctttttgtcc 180  
 caagacgcgc tctttttgat ctatttgaaa acagaaagaa aaagaacaac atcaagttgt 240  
 atgttcgcag agttt 255  
 Name: N31 Len: 251 Check: 1B8F  
 acctgtggta tgacatgtgc aaagattctg cctgcttttc gactatgaag gagacagacc 60  
 tggaggctgt tgcaacagca gtccaaaggg tggctgggat gcttcagcgc ccagaccagc 120  
 tggacaaagt ggagcagtat cgcagaaggg aggtcggaa gaaggcatct gtggaggcca 180  
 ggctaaaggc cgcaatccag tctcaactag atggcgtccg cacaggccta agccaactgc 240  
 acaatgcact g 251  
 Name: N32 Len: 255 Check: F29  
 acagaggcct gaaggagtca atgaagccca cgtcagcagt cagggtttggc aggaacccaa 60  
 agtgggtgct tctccagtt atcagccaga tgatgaggaa caggatgcag cgagcaatag 120  
 caaggaggag aatgctggct acaaaacagc ctgcgcocgc actgaggtaa tacacaccta 180  
 ctctcatctc tgcctggccag agagggaaga ggggtggcagc tattactgca atcacaagaa 240  
 ttaatcccat gacaa 255  
 Name: N33 Len: 255 Check: 1EFF  
 cttttttttt tttttttttt tttttttttt tttttttttt aggtttttat tgatttctgt 60  
 gccagcaaaa cagtgggaatt tggaggagtg aggygagagc cttcggggag ttaagcacag 120  
 gacagcaggt ggggaataagc caggatgagg ctccatnhnc aactccccaa ggacaagaca 180  
 gccagcaaaa catgtgtcag gtgcagcagc actctcagtg ccggggcctc ttggctgggc 240  
 ttgggggata cctgg 255  
 Name: N34 Len: 255 Check: 1229

accccggaga gggtgcccgg gttccgggtcg cagatcactc cctagcaoct aagcraagoc 60  
 aagatttcca agccagcacc ttattgggaa ggracagctg tgataaacgg agaattcrag 120  
 gagctcaaat tgaccgacta tctgtgggaa kacttnttw tgggcttota cccactggat 180  
 ttcacctttg tgtgtccaac tgagatcact gcttttgggg atcgaattga agaattcaaa 240  
 tctataaata ctgaa 255  
 Name: N35 Len: 255 Check: 1817  
 accttttggg aatctaaagt attgtaaggt attttacacg tgtccctgatt ttgccacgac 60  
 ctggatattg aagctatcca agcttttgaa ataaaaatta aacaaaaacc caagcctggg 120  
 tgagtgtggg atgctctgta agaccttgcc cagtattgga gatgccacgt gctctgggac 180  
 taaggtctcc tggagcagag gtcccttagc tgttttcccc atctgatctt ttcagctatc 240  
 attttatgcc cattg 255  
 Name: N36 Len: 255 Check: 8A7  
 accttcttcc tagcgggtcag tgctctctat tccctccagt atgatgtcat cgagttaacg 60  
 ccatcaaat tcaacagaga agttattcag agtgatagtc tgtggcttgt agaattttat 120  
 gcaccatggg gtggtcattg ccaaagggtta acaccagagt ggaagaaagc agcaagtcca 180  
 ctgaaagatg ttgttaaagt cgggtgcagtc aatgcagata aacatcagtc cctgggagggt 240  
 cagtatgggtg tccag 255  
 Name: N37 Len: 255 Check: 1013  
 actagctgtg ttctgcatcc ttggcacctt cccctgcata agaagctgcc ccggtgagca 60  
 atgatctcag gccgggatca cttagcaggg gtcttccagc cagaatggat accctctaa 120  
 acagcaggag ggtgtgagtg caggcaatgt agcatagga agagacatgg ttcctgagca 180  
 ggcgtaaaacc ctaagcaaaag gaactccgtt cacgtcactg ccgcacatta gaaatgaagc 240  
 aatcagagct caaca 255  
 Name: N38 Len: 255 Check: 626  
 accccattgc cgatttgggtg aagatgctta ccgaacaagg caagaaagtc aggtttggaa 60  
 tccacccagt tgcggggccga atgcttggtc agcttaatgt gctcctggcc gaggcaggag 120  
 tgccctatga tattgtgcta gaaatggatg agatcaacag tgatttccca gataccgac 180  
 tggttcttgt cattggagct aatgacaccg tgaattcagc ggctcaggaa gaccccaatt 240  
 ctattattgc aggca 255  
 Name: N39 Len: 232 Check: 1015  
 actgcagct gtttgtcgca ctttatcttc aagccaggat gaatggagat tgggcaagac 60  
 tcttacgacc catgctacag tttgggcttg ttgctttatc cataatgtg ggctgtctc 120  
 gagtttctgg attacaaaca ccaactggagc gacgtgttaa ntggcctcat tcaaggagct 180  
 gtgtgggcaa tattagtggg tttgtatgta gctgatttct tcaagaccac ag 232  
 Name: N4 Len: 255 Check: 6C1  
 cccaggctaa agatgatata aatagaggta tgtcgtgcgt cacatctgtc acaccaagag 60  
 gactggggccg ggatgaggaa gataccctct ttgaatcgtt tctaaattc aatgtcaagt 120  
 ttccgctctg ggacagtga cctacttttc tacatagcac tccagagacc ccgagcatcc 180  
 ttgctccctc cacacctgag gcagtgtgcc aggacaagtt taatgtggaa gttagagaca 240  
 gccacggaaa ctgg 255  
 Name: N40 Len: 255 Check: 226F  
 accgtggggc aagtgaagg tgattgcggc cattgggttaa tatgtcttcc tttttcttcc 60  
 tccagtgttc tagttacatt gatgagaaca gaaacataaa ctatgacctt ggggtttctg 120  
 ttggatagct cgtaatgaag aacggagaaa gaacaacaaa gacatatttt ccagtttttt 180  
 tttctttact taaaactttc aaaacaatag aaactttgtc tttctaater tatactttaa 240  
 accgattaaa tcttt 255  
 Name: N41 Len: 255 Check: 1549  
 acctagaggg actgcogtgc ttttgctcac ttttacctgc ctacttctac atgaggcgaa 60  
 gttggtcttt ctttaggcgt ctacatgaat tctaaactat gcattagtca tcaaatgggt 120  
 tggctctaag tggtagagaa aggagacacc ttaggtatca tgtaggcca ctttttttgt 180  
 gtgtggagga ggtgaacttc accggccaca ataaacaggg tttgggcttt gtccagatgg 240  
 tagacttaat aaaa 255  
 Name: N42 Len: 251 Check: 865  
 acaagggcca ggggctgaac aagacagcca ttggggacta cctaggggaa agggaagagc 60  
 tgaacctgtc tgtgtcccat gcttttgggt atctacatga gttcaaccgac ctcaatctgg 120  
 ttcaggccct ccggcaattc ctgtggagct ttgcctccc tggagaggct cagaaaaattg 180  
 accgaatgat ggaggccttt gccagagat attgcttatg taatcccggg gcttccaggt 240  
 ccacagacac c 251  
 Name: N43 Len: 255 Check: 2157  
 acagtggcca aaggagtctg taacaacttc tcaaaacttg ttagcatctt tgggtttgct 60  
 gaggttgtc agtgatgtca aatcctccaa gaaaagatct gcttagataa ctaggactaa 120  
 cagtttctga gtaataatcc aattttataa ttgtcctttg caaatctgcc tgaagctaca 180  
 gggaaatggaa attaaagcaa gtgtaaaatg ggtagtctga catttaaaaa aattacatza 240

agaggaggtt aaagt  
 Name: N44 Len: 250 Check: D86  
 acacgcgagt tggcaagtgc tccggccatt ccagcttcat caccacttg gactgggtcgg 60  
 tgaactcaca attcctgggtg tcaaattccg gggactacga gatcctctac tgggtcccat 120  
 ctgcctgtaa gcaagtcgtg agtgtggaaa ccacacggga catcgagtgg gccacctata 180  
 cctgcacctt gggattccat gtcttggag tgtggcctga gggctcagat ggaacagaca 240  
 tcaatgctgt 250

Name: N45 Len: 221 Check: 5E  
 acctggaggg tatgatgaac gaggccccgg gacctatcaa cttcaccatg ttcctcacta 60  
 tgtttgggga gaagctgaac ggcacggacc ccgaggacgt gatccgcaat gcctttgcct 120  
 gctttgatga agaagcctca gggttcatcc acgaagacca cctgcggggag ctgctacca 180  
 ccatggcgga ccgattccag gatgaggagg tggacgagat g 221

Name: N46 Len: 255 Check: 10AA  
 GCGTGGTCGC GGCCGAGGTA CATGGGGGTG GGGATGAAGG TTGGTGCCAC GTCGTTGCGG 60  
 AGAACCACCT CAGGCTGCGC CTCTAGTCCC CGGTGGAGTT GAGTGATGTC ATAGTCTTGG 120  
 TCCTCTTCGC CACCACCCTC TTCTCCATAA TAGAAGACAT TGTCACGAGT GTCATCTCT 180  
 GGGAGCAGAA GGGGCTCTTT GACCTTCCTC TTCTTTCTCA CCAACAGAAG GAGCGCCAGA 240  
 AGAAGGGTCA GTAGA 255

Name: N47 Len: 255 Check: 1FFA  
 acactttagt aagatttcta aaatgtaagg tttttttttt ttttttttaa tgggtccattc 60  
 cttcatggga gcgtgtgcgc ctgggctgag agcgtgggga tgcacagatg ttctttctag 120  
 aacatattcg ttgcaacagc taactttgtg ttttcatggt ttttbatgtt ttgttttgtt 180  
 tttttgaaaa tgagagaaga gctggagaga tgatttttat gatttttttt tgttttgttt 240  
 tttactattt atagc 255

Name: N48 Len: 255 Check: 2358  
 acctggcttt gctagcagtc ttgatccaga caggactgat gtgaaaaggg ttggactctg 60  
 ccatattccc tgcgtgagcg atggttagac cacagcagag aagtcctgga ataagacact 120  
 tgctcctcag aggacagttc tggagtgaag ggagtgtgta cccagtataa aaagaaggaa 180  
 gaaatgttga aaaagtatag aaacgccatg ttaaagagca tctgtgaggt tottgatcta 240  
 gagaggtcag gtgtg 255

Name: N49 Len: 255 Check: 10E3  
 GCCGCCCGGG CAGGTACAGA ACCCAGAGGA AGGAGAGGCT GCTGGGGTGG AGGCCTAGGC 60  
 GCTGGAGACA TGTGGAGTTC TCTAGGGGTC TGCAGCAACC TCGGAAGCT GGGAGATTCC 120  
 TTCCTTGAGA CTCCTACATA TAGAAACTG ATGCTTCTGT CTCATTCCAT GCGGCTTTTC 180  
 CTGCGGTATT CCTGTAGCGC TTTCTCTGCC ACTGTGTCCA TAAACTTAGG GTTATCCTTG 240  
 GAGACTTCTT CTGGT 255

Name: N5 Len: 255 Check: D4F  
 acgtccatat atttgacaaa gaaagtttac atttttttaa taaagatgca aagtatgcaa 60  
 aaaacattaa tactgatgca aaaaaaaaaa gagttaaagt aaagaaaaaa aaaacaaaaa 120  
 ccaaaaacaaa agaaggcaga ggaagctgtc taaaccgtcc tccggcctgtc ggaatgggtg 180  
 taacaatgat atgaaatggg atctgtgggg aagggggctt taaaagaaaa caaaatttgc 240  
 tgctttaaaa aaaaa 255

Name: N50 Len: 255 Check: 2F0  
 acagcagcct aaaaaagggc aagaaatgca gcaagaccac gaaatcccca gaaccagtc 60  
 gatttactta tgcaggatgc tccagtgtga agaaataccg gcccaataac tgcgggtcct 120  
 gcgtggacgg ccggtgctgc acacctctgc agaccaggac cgtgaagatg cggttccggt 180  
 gcgaagatgg cgagatgttc tccaagaacg tcatgatgat tcagtctctg aagtgttaact 240  
 acaactgccc gcctc 255

Name: N51 Len: 255 Check: 1E92  
 accatccctg aaagtgtcgg gtattccctg ctccctctgg caccatttgg aggcctcctc 60  
 ggatggatgt ttgcagtggg gcaggatggg ttcaagaatg ggttttagcat cacagggggg 120  
 gaggttacca gacaagctga ggtgaccttc ttggggcacc caggcaagct gatcctgaag 180  
 cagcagttta gtggtattga tgaacatgga cacctgacca tcaacacgga gctagaaggc 240  
 cgagtgccac agatt 255

Name: N52 Len: 250 Check: 214  
 actgaatacc ctgaagcaga acagggcaac caactgtcac catttaagag ggaagtctca 60  
 aaacatcccg cggggcgatg ctgggagaag ctgtaagttg agctgaagct gagaacttga 120  
 ctccagagca gaaggcttaa ggggtgaaatg accactcaga aatggagggt ctgctaaccat 180  
 cactgggggtg tggattgacc ttggtagaga gacacttgtt ggcttggggt ggatggaaa 240  
 attactctct 250

Name: N53 Len: 255 Check: 56  
 acctgtcttt ctccctggcat ctccactctt ccaggaggct caccctagtg tgcgttctgt 60  
 cactgtgcgc tagtgaacaa ctgtcaagtc taaactgtct cgaaaccagt gtctgagatt 120

gacaggctat ttgcattgaca atgacacacg gttctcactt cggcgggggtg ttttctccca 180  
 cagcagttag gaaccacagat ttaaattaat gtgctattgt aatccttttt gtttttttac 240  
 agaagaaaaat gagat 255

Name: N54 Len: 255 Check: 54F  
 acggcagcaa atcttattct gtttgttttg caataaagga agtgagggtg gctggcttagc 60  
 cagggcaggg aggcacacaac ttctacttct aggaatgctt taagagacac taaagggcac 120  
 cttggggcag gaggcagata tccggttggc agaggagcag aggcaggtct gaatgaaacc 180  
 tttctggggc cagctgtgag gatacaacag gaaaagcatg tgatgttagg gggaacactg 240  
 agctggccct gctgg 255

Name: N55 Len: 255 Check: 414  
 aacagaccgc ctatctggag gacgggccc tggccttgct gcagngngcc atggaggaaa 60  
 actgcctctc agcctccgct gtgcacaccg atcccaccag aggcaccgt cgccttctac 120  
 gcttctcttc ccagatccac aacaatggcc aatctgactt cgcctccag aatggccgcc 180  
 atgcatggat ttggcatgac tgccacaggg actaccacag catgggaagta ttactttact 240  
 atgacctctt gagcc 255

Name: N56 Len: 255 Check: F5A  
 accctgctgg cgggccagat ggacctgtg aatgaaattc cctttacctt cgagcagctc 60  
 agcatcttca agcacaacac ggacaagacc taccacacaag gctatcccga gtccctgac 120  
 aagcagctgg gccactcttc cagatacgtt agccttgagg acatccggca gtggaaatgtg 180  
 acttcaccag acacagtga tactctgctt aaagtacgca aaggacaaaa gatggatgct 240  
 caggtgattg ccttg 255

Name: N57 Len: 255 Check: A92  
 acttggaaga gctttgagca tttaagctac aactttctat gcagctccaa gacagaatag 60  
 aagctagcag ttagggttcc atgcacttct gtgtcattac attgaaaatg gtttgtctta 120  
 aggttttagc actgggcaaa taaaactact agcaagaatg aagttatagt gtgaaaagct 180  
 ttaaacttct taggtctagg gtagggtgaaa agagtcttca ccaaaaataa aggcagaaga 240  
 aaagtcatag ttgga 255

Name: N58 Len: 250 Check: 12F3  
 acggcccgctc agaacagggc cagctcagca gccagccag tccgatttga tgcttccaaa 60  
 ctccacactc ttccagactt ggttctccaa ctccaggtta taagcaccct tgaagaaata 120  
 gctgtgacca ccaccttcca ggtccacgac tgcattccag ttatcagga tggcattcca 180  
 ggagtctgct atgagcttct ggaaaccggg gtccatttct ttctttactt cattgtatct 240  
 ccagaacttg 250

Name: N59 Len: 255 Check: 1D9  
 accaaggatc aaagactgag acacacagtg ctccaggccg cagagggagg gggtatggca 60  
 gggaccctgg cccgcctgtc cctctagacc cactaccatg tttagggaaa atgggggtgg 120  
 gggggcagaa tcacactagc cgtgaacca ctgggatgat tgatgtttta ttcatgctgt 180  
 ttccagggaag ggatgtcaaa gctggaccag tctgaacctt cagaggcttt tcaattggcc 240  
 acagggggct ctgtc 255

Name: N6 Len: 255 Check: 114E  
 acatggaaga cgtctgtgga aatttctctc tagcgtgggg gctccaaaca gaacctacaa 60  
 cacacagcag tatacttaact gcagaaatgc caactagaag caatggcctc tggcaggggtg 120  
 gccctatgaa atggcacaac aatatgaaat gtaaaaggac agtgaggaaa cttttacttc 180  
 aaaacaggaa gccacagtag aatggttatc ttattctgac acattagaag cagggaattgc 240  
 agcttcaagc actca 255

Name: N60 Len: 255 Check: 216B  
 acactgtgag aagctggtgt tbaatttcta tgacccttgg caggaaatgtt acaacactgc 60  
 cttagcagctt cattagaaaa caatggaagc aaaagggtta gactgattac tactcttctc 120  
 catgtatttg gcaagaaact gtaacagaa ggggaggaaa ataagtaacg cttcaaaaaag 180  
 tgatcatctt taccagatca caagctagac tgaatttccc attagagtca gttctcaata 240  
 acaattatc aagat 255

Name: N61 Len: 255 Check: 162E  
 accactgtga ggcgactgtt ttgacacgaa agcatccatg atgaagtgtt agacagactg 60  
 aaaaatgctt actcacagat ccgtgtcggg aacccttggg accccaatat cctctatgga 120  
 ccgtccaca ccaaacaggg ggtgagcatg ttgtgtgcaag ccgtggaaga agcaaaagaa 180  
 gaaggaggca ccgtgtgtta tgggggcaag gtcatggacc accctggcaa ttatgtggaa 240  
 cccaccattg tgact 255

Name: N62 Len: 255 Check: 2534  
 acagcatggc tgatattcaga gcagttttta acggtcccta tgctcataag gaaagtgcag 60  
 accatcgttg ggtgtaatat gatggaagga tacttatcc ccgaccggga acgtgtccca 120  
 gcaaaaacct tgatccactg attaaagtcca cccagactt cccagatgat gttatcagtt 180  
 tcataaggcg gcaccgggtg atgtataagt ccgtgtatcc agtggccggg gcacccacct 240  
 tcaagagaat taacg 255

Name: N63 Len: 255 Check: 1815  
acctatacct acgagggggcc ccgacccccat tgggggcagga gcactgggttt tgaagagatc 60  
cataaagttc gcttgaggga ctgcaggnng ncctgnngggg gacatcnggc cnggaggntc 120  
tgaggcaaaag atatctgaaag caagcaggtc gttngctgaa gactgacaaa aggaaggagg 180  
gagaagagtt attcagcaag agggaaaaca cagcttctgt ctactccta ctaacaaccc 240  
aaagctaaca gccat 255

Name: N64 Len: 255 Check: 2188  
aggtactcaa atcagtcacag gcacaggagc tggcaaaagc taaaaaacag ctggaaaact 60  
ggtcccttcca gacctagggg ggtggtaaaa atccacatac cggagtcagg aagattccaa 120  
ttcaaagaca aaggaatatg cagaggcccc ttggcagtggt gtcctgccc ccacagcagg 180  
ggaggaaaac caagaaaaga gctgccacat cctccaccca gtcccacccg tcccctttga 240  
cagcaggact cagt 255

Name: N65 Len: 250 Check: 895  
accaggcta tacatgactg tcgcccctagc caggactgcc ataaccctcc tggctcctat 60  
cagtgcacct gccccgatgg ttaccgaaaa attgggcccc aatgtgtaga catagatgag 120  
tgtcgctacc gctactgcca gcaccgatgc gtgaacctgc caggctcttt ccgatgccag 180  
tgtgagcccc gcttccagt gggacctaac aaccgctctt gtgtggatgt gaacgagtgt 240  
gacatgggag 250

Name: N66 Len: 255 Check: 142C  
acaagctttt tttttttttt tttttttttt ttgatggct atcaagtgcg ttttattgaa 60  
tccattgtgg atagatgagt gttacacctg cgtgtcggga ggggcagagg ggcaaggagg 120  
gatacagctg cagatgggtg agcacgtcag gatcagaaac cagaatctc tatcaagtct 180  
ggagacgagg agcattaaga gcaatgatga cgacagtaac aatagtata atgaccaatga 240  
ggatgctgag gacca 255

Name: N67 Len: 254 Check: 19F0  
actgggcctc accacatcca gttactccga tccaactatc ggctacgaga acaaagcgct 60  
gatccctctgt ggaggtaca gtgtggtaga tgtcaccact tttataggct ctaaggcccc 120  
tattccagg acccaggaga ccaatagttc caagaccccc tccctcttcc cctgtgcctc 180  
aggggccttc agcagcttcc gcggtggctat ccgccccctc tacctcacca actccactga 240  
cacggagttag atgg 254

Name: N68 Len: 255 Check: 1D75  
acacgaaaaac agtcccagga gagtattaag acattgcttt ggtcttaaaa ccacaaatca 60  
tacatgtgac ccagtgcaaa tgaagagttt aagagataaa gggaggggaa ggggaaaatt 120  
taaaacatag tgggggaatt ggggagactg ttgtaacggg agncaccctg tgaggtggct 180  
gaagggtgaa gaaagcactt gaatttttcc caaataaggg aggatggagg gaaacaacct 240  
gttttcaaaa atgtt 255

Name: N69 Len: 255 Check: 1149  
accactgaag cactactaga ctccacccaa ggaatgaact agccactcag acacagtggc 60  
cctccatgtc caaatggact tgaagagtat tgcctgacaga agcaaccagg attctagcta 120  
gtcctaaagc aatagcaggc aaaggaattc ccaaacagga atctggaaact ggaaatctcc 180  
atatcttttt ggaagtggga atgaagagcc atatataaat aaagatgtta tttctgaaca 240  
atttcaattg tccc 255

Name: N7 Len: 255 Check: 1F93  
accccactgg caaattctgc cgagttagga gcttggttat tggggccagc agtcgtttta 60  
cccggaatgc ccttccgtct ctgctcatct acaaggcggg tgaattgatt ggcaattttg 120  
ttcgtgtcac tgaccagctg ggcaagatt tctttgctgt agacctgaa gctttcctgc 180  
aggaatttgg attgctccca gaaaaggctt tgggtgctgac atctgtgcga aactctgcca 240  
cctgtcacag tgaag 255

Name: N70 Len: 255 Check: FFF  
acaccagtgt aggttctaag acctggaagc cacagaagcg cagaatgcca ctctgaattg 60  
gccagagaaat gacgttcatg tccccgtgga caccctgcag agagtacatg gagccgctgc 120  
ccccgtgggt gatggaaagc aaggtcttct tattctggaa aggaccttg tcatacatgg 180  
tggcatacgt gtaggcgaat cctgctacaa gcactctctc aaaccagcct ttcagaatgg 240  
cgggcacccc aaac 255

Name: N71 Len: 255 Check: D39  
acaacagatt ttgcttttta tttatttata atgtaatttt atagaataat tctgggattt 60  
gagaggatct aaaactattt tctgtataa atattatttg ccaaaagttt gtttatattc 120  
agaagtctga ctatgatgga taaatcttaa atgctttgtt taattacaaa aacaaaatca 180  
ccaatatcca agacaggaag atatcagttc aacagcttac tgaagttagg aaactaactc 240  
cactcgtatg ggaac 255

Name: N72 Len: 255 Check: 34A  
ccaaaggaaa gatacgggac aagccactgg cccctcgaac catctgcctt tggaaatcaa 60  
attttttaat ataaatgta tgattgagga ccacatgcat agaaaaatgg tgcaaaaacc 120

gagacagtat catcagcttt atcaactgta accatgggtt ggttcttcg ggcagctcc 130  
 agtctgttaa gaggcaaaag aatttggaag tgttacctca .cagaggcaag ggtcttttg 240  
 cagttgocaa cctgc 255

Name: N73 Len: 255 Check: B61  
 acacgacgct gccaaagggaa gctcggatca ggttatacta atcctatcag tctgcatgcc 60  
 ctcaaaagct cctcaccatg gccgtgcgtt cttcatcctt gccgcttaag gtcccaccac 120  
 tcttcccttt gcatattccc ttgggagaac agcaagggtga gcttccctag cataccaccc 180  
 cagggaaatga tgcagagtta gcaatagacg czaatgaact tccccaggaa atcacttctc 240  
 agacccacaaa agtgt 255

Name: N74 Len: 255 Check: 1E1A  
 acatacattg tatgggttta agctggctgg atattatata ttcaagttt aaaaatgcac 60  
 tacagataga gtgtccatag tttaaggoga aattacagct cagaactgtt gtcccttcta 120  
 atttttgga agcttctttg acaaattaaa aaataaata agagagactc agatgttcat 180  
 aacacataga cgatttccct tcaattgtaag ttcactgtgg accttctctc catttaataa 240  
 tttcgtgtgc caagt 255

Name: N75 Len: 255 Check: 994  
 accgctggcct gggcctagn gcttaacagt agcaacagca gccgctggcgg cggcagccga 60  
 cttcccgatt cgagcacagg cgcgcgaaaa tccgcacagg cgagtagaga aaatggcaga 120  
 cgatattgat attgaagcaa tgcctgaggc cctttacaag aaggtgagaa aacatgctag 180  
 ngagctgcaa tatatttctt aatttagcat tttccagaa actactgctg aaatgttaac 240  
 taaccttccc ggagc 255

Name: N76 Len: 237 Check: B22  
 actatttttg gccaacagaa ttgcaaaaa aatgtaaaat ttaataaat cattttgatg 60  
 ggatgagttt tactgtcatt aaaaatattg gaaagcaca gtattagtat ctgtcgtgaa 120  
 aaaccaattt tagtcagagg cgtgtttgtg cccaattagg tatcatgtat gtattgttaa 180  
 ggatgtagaa ctcaaatcac acagggctct gccagagac accgagttca acagtgg 237

Name: N77 Len: 255 Check: 218  
 acgttatcaa atgtcagcct ggatactgtc tacaaggaga tggtagcga agcccaacag 60  
 gaaataacca tccagcagct aatggctcat ttggattcca tcagaaaaga catggctatc 120  
 ctagagaaaa gtgaatttgc aaatctgaga gcagagaatg agaaaatgaa aattgaacta 180  
 gatcaagtra agcagcagct gattaatgaa accagtcgaa tcagagcaga caataggctg 240  
 gacatcaacc tggag 255

Name: N78 Len: 255 Check: 1EDE  
 tttttctggt gcactccaag tgcctatagc ctggtttatt cttcaggaaa ttatatctgt 60  
 ttttctttta caagagcaca acaggaacca aagtagaaga gtaacagata cagcactcag 120  
 gataaatcat atcttttaaaa taataaaaaa aaattttacac cttgtcctat atcctgttag 180  
 tattttcata tgggcatgat tgaasaaaaa aaaaacaaca acaaaaaagc aagcatttac 240  
 aatttttttt tccat 255

Name: N79 Len: 255 Check: EF7  
 acagggggaa tgggggttgc ttatgaatat aaacctgagt tgagcctcag tttcctggtc 60  
 ttttctatcc cctaagaggc ttgagatat ggcctagcat tcagtgggag ctggcacttc 120  
 ttccacact acctgtatgg actggccggt gctcctctga acgtattatc agtgtaaactc 180  
 tttattttgt gtatttgtta catcatgtgt gtgattgccc ttgttaagggt tgtctgagga 240  
 gtatgggctg acagg 255

Name: N8 Len: 255 Check: 10E5  
 acctgatttt acggcggcat gggaatctct tcattaccct gtttgcgctg atgttgactg 60  
 cagggcttcc cgagctcaca tcagtcaaag atatacagta tottaaggac tctcttgctt 120  
 taggaaagag tgaagaagaa gcactcaaac agtttaagca gaagtttgat gaggcactca 180  
 gggaaagctg gaccactaag gtgaactgga tggctcatat agttcggaaa gactacaggt 240  
 cttagcgtcc gctct 255

Name: N80 Len: 250 Check: 1094  
 acctgggagg cccaaggccc ccgttgagaa tacctaata ggcacttggg ggtgtcccag 60  
 gaagtcagcc attactcccc agtgggaatgg acccaacacg acaacaagg caaccaata 120  
 tgggocgacc gatgcagaga atgactcccc caagaggat ggtgccctta ggaccacaga 180  
 actatggagg tgcaatgaga cccccactga atgctttagg tggccccgga atgectggaa 240  
 tgaacatggg 250

Name: N81 Len: 255 Check: 2615  
 acctaccag aagaaagaaa aacttgcttc tctggccaaa cagctgcttt gtcgagcatg 60  
 gctcatggg gacaaagaga agaaccocac ttttaatgac cacttccatg acttgctttg 120  
 catctacttg gagcacacag acaatgttct gaaggccata gaggagatca ctgggtgttg 180  
 tgtcccagaa ctgggtcaat ctcggaaaga tgccctctct tetacattcc ccacgttgac 240  
 caggcacacc tttgt 255

Name: N82 Len: 255 Check: A8E

accataagat cctgacaggt cttgctgaag ttgctacaac aaatggccat aaactgctta 60  
 gtctgtccag cagctacgag gcgcagatga agagccctcc gcggatcgtg aggatctctt 120  
 gccacgtctt ccgcattggc cctcgtcttc ccagtaacgg catggatatg ggctacaaag 180  
 ggaataagac tccaaggagc cagggtgttc agcctttgga attgctttgg cactctctgg 240  
 atgagtgggt gggtt 255

Name: N93 Len: 250 Check: 212  
 acagaacccc cagggcagcc ccacacttgg caggggtccat aaagacgagg cagctccgtc 60  
 catcctggag gaagatgggt gctgggaccc tgctggctgt gcaactcggg tgcttcagac 120  
 tttgctccct cctagttcca ttgccagacc caggaagaag gctcatgtct gcaactgggg 180  
 gatcacagaa atgctctgtg tcaggggatt gtggggagca gtggcttgtc tggggtagag 240  
 ggcagaaggc 255

Name: N94 Len: 255 Check: CD1  
 acaaatcccc caggtgaggg agactactgn gtgggaagaa agctctaga tacgccttgn 60  
 ggacattccg ggtttctgca gtggttaaag aaagacacac tcaaaactatg cctggatgat 120  
 ggaagctgtc cactcagggc ataggngatc aatccacttt ttctttgggt nggactagaa 180  
 gatgaggggt gagtaagcag gaaggggata gatcctggaa gaattgtctg gaattttcca 240  
 gagatatcag taata 255

Name: N85 Len: 255 Check: 149A  
 gggaaaagtc taaacatagc aacagtgaac ataaagattc tgaaaagaaa cacaaagaga 60  
 aagagaaaac caaacacaaa gatggaagct cagacaaaca taaagacaaa cataaagaca 120  
 gagacaagga aaaacgaaag gaggaaaaga tttagagctgc tggggatgca aaaataaaga 180  
 aggagaagga aaatggcttc tctagtccac cacgaattaa agacgagccg gaagatgatg 240  
 gctattttgc tcttc 255

Name: N96 Len: 255 Check: 67  
 actgcgcaact ccccaggcac agagcaccac caagtgcctt agaacccttc ctgacagaga 60  
 tggggctctg cccctgagga gcttacaatc cggggatcta caactcaaag cccgagttgg 120  
 acagcgagct aatttaaggg aaaaaccttc gtcccttaga gctattatag atggaattat 180  
 tttagcattt ggaattaaag caatgaagag agaatttggg tgtggattta atttggttgt 240  
 ggattttttt cagggt 255

Name: N87 Len: 255 Check: 1F0B  
 accctcacag aatagcaaat accctctctg tctggacgtt ggttcagatt tgaatttggg 60  
 agtaatttcc ttggaagttc ctgtggcagg tcagagaaat ggaaataaaa gttactataa 120  
 tttagattta tgccttattt tttagcattt tttaaattgt ggggtcttca agctgttttt 180  
 tgctttttat tagatctata taaataagtt aactagcaat tttagtttgt atttaagcta 240  
 caattaatct ttttc 255

Name: N88 Len: 255 Check: 219F  
 actataagca gtatgttacc tatactgtgt gtccttgctg ggcgtctatt cctttgccct 60  
 gcctaggaca aagngtgcaa ctctgataag cctgtttaaa agaaaaatac taacactacc 120  
 aaccaagcag acacagtatc caaactcaaa gtgcaaaatc aetgaaccaa agngatgat 180  
 gttgaagaat tacagnggtt agaaacaaat tccaactccg ttaggcangc ggagaagatg 240  
 tgetcacaga ctcat 255

Name: N89 Len: 255 Check: 18A9  
 actgggtcac actggattcc cgacacattt cagtcacgag cccccagaag agacggatgg 60  
 cccaccggga gctatcgctt tagctgcctt cctacaggct ctgggggaagg aggcggccat 120  
 ggtggttagac cggagagcct tgaacttgca tacgaagatt gttgaagatg ccgtgaagca 180  
 aggagttctc aagacaccaa tccccatatt aacttaccga ggaggatccg tgggaagatgc 240  
 tggggcattt ctgtg 255

Name: N9 Len: 255 Check: CD9  
 acttgatatc aatagaaaaa ccttataaag aagtcatgac aagacacctt gttgaagaac 60  
 tcttagattc ctatcactac caagtagaac tggctctaca aactgaaaac cagcaocgag 120  
 ctattgatca agtgattaaa gcagtaagaa aaatctgtag tgcttttagat ggggttgaga 180  
 ccccccgcgt cacagaagca gtgaagaagc taaagcgagc agttaacctt ccaaggaaca 240  
 aaagtgtctg tgtga 255

Name: N90 Len: 255 Check: 2248  
 actgtaggct ctgggaacaa gaacactggg ttcgattcat gacttgagag acttaagtta 60  
 cccaaaacat taagatttta aaagactaaa agtagtgagg gaaaaaaaaa caataaaaaa 120  
 tgcaagcaga gacttaacta agagttttac aattaaaaaa aataccaaat tttaaagtatg 180  
 tcagttttat agaacttgta atttggaactg caaaaggaat gcttaaggaa ttcacttcc 240  
 tcgtcagta ttttc 255

Name: N91 Len: 255 Check: 168C  
 actgtgtttg tgtaaatgtg ctattaatat aagtatttac gtgttccctaa atattcacag 60  
 actctagttg caaggtcaaa ggcagcttat gatccctga gttaaaaaat aaatggtgac 120  
 ctgtcatcta tgacctaaa ctggcagcaa gaaaactagc agaggtgtgc aactgtctgg 180



tagtggagta atggctttct tictatgtcc ttgagcttga totatgcaga agagagtaga 240  
 coattaaggg aagag 255  
 Name: N92 Len: 255 Check: 1F8E  
 accagcaaga agaccaccca gatgtgtca cctgcctga acattacagg caaccatcaa 60  
 atgtttattg totactagat aaaaaattag ttgttgccca ttgtcttant atagggtcaac 120  
 atcatggcca toctatagat gaccccaaaa gtgcctatct gaaagaaaaa gatacacctc 180  
 agaagttgtt taaacagtta accgacacac actggacaga tatcactcgc cttattgaaa 240  
 agcttgaaga acaga 255  
 Name: N93 Len: 255 Check: 238  
 accggaaaa ccaacattct gaattgtatgg acactggaca tggggttacc catgaggctt 60  
 tcaaaagaat ccaagaattt gctctctacc ctaccagta gtgtgatggc atcactagtg 120  
 coaggtatag gactaaagt agtattaggt tgaatttga tgtagactct ttgtgtgtcc 180  
 tatacctctt aatgcataaa ttcttaaatt tgtctttaga gtccagttgg cctgttaagt 240  
 gtgaatttcc ttga 255  
 Name: N94 Len: 250 Check: 3EE  
 acgagactct tgggcttgtt tgccgccaag gttactttc caaggttgat tccatagaacc 60  
 aacagaatgg aacaagagaa tgctctctgc caacggctct ggcttgcaga gatatgcgc 120  
 agtgcacctt cccacagaaa gagacacaca cacacacaca cacacacaca 180  
 cacacacaca caccaaggaa agcctccaaa aagagattct cactgtaagg aaggatgtaa 240  
 agaaaaataga 255  
 Name: N95 Len: 249 Check: 92F  
 acttttactg taaacggggc aaaaatccaga ctgttcaatt gttattatcc caaactgagc 60  
 aagttttaaa gttgttttta tnttaaaaag ccatacagtaa taatctggaa ttttttactt 120  
 ttaaagctgc ttagectcaa ttttaacaga ttctgaaatg tcttaattga tgttaattag 180  
 gaacttaatt actctattac tgttttctt aaagcattta ataaataact gttgactgcc 240  
 taggaagag 249  
 Name: N96 Len: 255 Check: 24CA  
 caagcttttt tttttttttt tttttgccta ttgtatttat tttattttac tttataagta 60  
 actggcagaa acacaggaat aaaaatttct ataaagtggc tatcctaaaa atacttgtga 120  
 cgattatctg aatcatttgg tcttaaaaaa tgttgcttta aaaaatcaagt tcagcctaatt 180  
 tggaggtaaa ttttaataca tccagcactg gaataattta ttctgctttt ggctgtaggt 240  
 tatacttttg tggct 255  
 Name: N97 Len: 255 Check: 180C  
 acatttggtg cttgctgttt cacactttgg ttaagtgtg acatactttg atgtaatgag 60  
 taggcagcca gaagcagcca gaaataattg atctgtctc tggtaatgcc aggttttcca 120  
 acatttgaca tccogttgag gaggggaaag gctgaagatg gcaactgggg acacctgtgg 180  
 catctagacc ccattgtatc cggcgtatga ctttagggca catgtgcttg ggcggagacg 240  
 tggtaggcca cagga 255  
 Name: N98 Len: 255 Check: 2140  
 gtcacacaga ccgtatgtaa agaggcatcc accacaaggg gagcagtga gtgttctgtt 60  
 tgtaggggtc caggaagaat caatgcctcc aacagtggac aaataactaaa agtccttaca 120  
 gcaaaccata tgttgttage ctctgtggtt ctgcttaact gcaaacctgt tgagtaatca 180  
 acctataaaa caatagctag acagtcatag gcttttaaaa caaatgatct aataacagca 240  
 aaggagagat aaatt 255  
 Name: N99 Len: 255 Check: 8F9  
 acacatagat acaaatatca atggtcagtt cctgcttcac totcaaagaa gtgggttgctc 60  
 acgtctgaac attttggcta gaaaacaggg cagtgttcaa tgctaacctt cagtatgtct 120  
 gactacacag agaagccagg gcatgtgagg cactaacata gccactagt cccactgagg 180  
 ccacactgct gtgctgctgt aggtagtcca ggtaactgat tcaactgagta aacacacacc 240  
 tagaaactat agcaa 255  
 Name: T1 Len: 255 Check: 1DEB  
 actntctgtg tgactncaga tgttctctcat ccagctgntc ctcaataggt ntttctctggg 60  
 gaggattcca ccactggnc gcgatggcag gattcttnt cacagcctga ctccnaatga 120  
 gttccctccg ctccctctcc agctctatca tctctcaga gggcctcact ttccggatgc 180  
 agaactgntc ctctctgtgc tcgacctct caaagagctt ggagggtctt ttgctctntg 240  
 gaaggcacgc agctn 255  
 Name: T10 Len: 255 Check: 3AB  
 actaccgagg agcacaagcc gccatagttg tgtatgatat tacaatagag gagtccctttt 60  
 cgagagcaaaa aaactgggtt aaagaacttc aaaggcaagc aagtcctaatt attgtgatag 120  
 ctttgtcagg aaacaaggct gacttagcaa ataaaagagc tgttgacttc caggaagcac 180  
 agtccctatgc agatgacaac agcttattat ttatggagac atcagctaag acatcaatga 240  
 atgtaaatga aatat 255  
 Name: T100 Len: 255 Check: 1997

ttccggttag cgtgggtcgc gccgaggtac atttataaaa gaacgtctgg tcccttttaca 60  
 aaaatctctc atttaattta aatcacagttc atattttacag attaaacatg aaatatctat 120  
 ggtcaccaag catattgcac atcacagaga gagagagaaa cattttgtga tctcagtaag 180  
 tttgccaga gtgtccaact ctgactttt tattttgtag aaacacattt actttttgtg 240  
 cgtgtaataa ataaa 255  
 Name: T101 Len: 255 Check: F08  
 acaagcaagg acgtccacga gtatccagcc tcttaacagg actcttcccc agccccagtg 60  
 ggcagaacag atctgaacag gaaacttatg ccagctgtct caagtcctca ggtagaagg 120  
 agaaggactg tatctggact ggactgagac acaagtggaa gagccccgac tatctcccag 180  
 agactatgaa cctggagaac gtgaagctgt tgtggcccat gggacacctg taggagcaga 240  
 aatgtgactt tggat 255  
 Name: T102 Len: 255 Check: 1570  
 gagtttcttt atgcttgggt aaaactgcgt tataaattta acaatacaaa aatggcttag 60  
 aaacgagagg aggaatgata aagtataacc tgnccagctt gcacacagac tggcaagcaa 120  
 atgacacaat gaggacaatc agcgaggggc acatgaacct caggaaagaat cgtggaccac 180  
 aggaccttct ccatggcttt actctggntc ataggnaatc agaagacctt gccttgatac 240  
 atctcatggg tctgg 255  
 Name: T103 Len: 255 Check: 94  
 ttacaagaac agcaaacctg actctttact gagaatggag gaggagcaga ggttggagaa 60  
 gtcacccctg gctgggaaca aggacaagt ttccttttct tctcttaaca gaaaactcct 120  
 gggctccaag cccctcaggc cggcgagcag ccttggcgtg ttcgggacct tgcagagctt 180  
 caaggaggac aaggccaagc ccgttcgaga tgagtatgaa tacgtatcga acgacgggga 240  
 agctgaaaat tcagc 255  
 Name: T104 Len: 255 Check: 13AE  
 atogaagtgc ccagtagggg gatgaggga cccccctgtg ctggggcacc ggccggcttt 60  
 aaaccacagc atctactgat cctgtcctc agcaaggctc tggcttcttt cctgagtatt 120  
 tgggtctaag tagtagtggc cgggtgggta aacatacagg cttttaattt ctgtggacag 180  
 aagtttggga atcgttgggc ttgaagccca agggccctta aacgtggccg ggttaacaat 240  
 acctttaact aactg 255  
 Name: T105 Len: 255 Check: 1EF6  
 atccgcctaa ccggggcccc gcccaaggaa caagcaaccc ccaagcaaaa aacgcaacaa 60  
 agggcccaag aaaaagtccg gaaaagaagg ccgaacctca aaaaacccca agaaaaggcc 120  
 ccgccccaac atagaacggc caacaaaatg acaaacgccc aggtgcata gatacctcca 180  
 tattgtctg caggcttcca tgcgccaaa gcaaggccag tggcagtga tgcgaagagt 240  
 aaaccaagta agaag 255  
 Name: T106 Len: 255 Check: 1B8E  
 cagggtctgt cctatgggtc ttcaagggga agcagcaca cccagtgtga gtcgaatgag 60  
 tttaaacacg agaacttctg ctgccaaactc tgcctgtctg gcactcacct cattaatcca 120  
 tgccacagga accgngngtg agagtgaatg tgccccatgt caagctcaac acttcataga 180  
 tgtgaacaac agggaaacctg gctgtctctg cttgtcttaa gagccccgga ttgaccaaga 240  
 aagaaagtgt tcgaa 255  
 Name: T107 Len: 227 Check: 789  
 acaagctttt tttttttttt tttttttttt tttttttcgg agctgaggac cgaacccagg 60  
 gccttgcgct tgcaggcaa gcgttttacc actgagctaa atccccacg agatctacgg 120  
 ttttaaaact cctcttgcgt agctgccag taggggataa ttggcacagc ttttccaaag 180  
 aacctaatcc aaaccaggca tgggcccagca cccctggtta tccagt 227  
 Name: T108 Len: 255 Check: 751  
 actgaacctg tgtcccagcg ttacacttca tggctctgcac tcagagctca ctcagctagt 60  
 gctgaagtoa ccgtccatgg ttgaagggtg acaagctaca catagaggca gagcccactt 120  
 gttagctgag ccacaattgc acagtctgtg agaccattgg tgtctgaggt tgcctgagtc 180  
 atggcttccc acactgcagt atttccaata cctagttagg gccgtcttgt cagccaagtt 240  
 ttaaaacaaa tacct 255  
 Name: T109 Len: 255 Check: 355  
 acctgacagg cacatacgtg caggaggagt ctccggaagg tggcaggttc aagaaggaga 60  
 ttgttgttga tggacagagt tatctgtctg tgattaggga tgaagggggt cccccggagg 120  
 cacagtttgc catgtgggtg gacgcggtea totttgtctt cagcttgag gatgagatca 180  
 gtttccagac cgtctaccat tactacagcc gaatggccaa ctacagggaac accagtgaga 240  
 tcccattagt gctgg 255  
 Name: T11 Len: 255 Check: 90A  
 acgtgctgag gtggagctgc accgactttg acaacattct tatgactgtc agctgcttgc 60  
 aaaagtccga ggtattgggt aatcagaagc agttcaagaa ctttcagatt gaggtgcaga 120  
 agggccgcta cagcctgcat ggcctgtgtg accactttcc cagcctgaga gacctcatga 180  
 accacctcaa gaagcagatc ctgcgcacgg acaatataag ctttgtgtct aaacgctgct 240

gtcagcctaa gcctc  
 Name: T110 Len: 255 Check: 1685  
 ggggtggggct caaaagggtga aaaaaatata aaacaagtat taaacagcat tattaataag 60  
 tttgccagac tcttggtcat gaataacctt gtgggtcgca ttgaatcctg aactgaacat 120  
 tgttgactac ctactacat ccaagtaaac tgagaactac ctagcaaaact ctgaacctca 130  
 gtccggtggg ccgagctggg tcttcccttt tgaagtattg cagtataggg tggatgatac 240  
 tctgtttgc aaaaac 255

Name: T111 Len: 218 Check: 2103  
 ttccgcttag cgtgggtcgg ggcgaggtac tcttggtggc gctcttcccg aagcttcttc 60  
 tgctcttgc taagccgctg ctttatctct tcaatggctg ccttcttgcg ctccaccttc 120  
 cgcttgtgga agcctgtcag gtattccgcg cgttctctt catcaaagt gaggatgagc 130  
 cggggacgac ggtcactctc atctctttt tcttctt 218

Name: T112 Len: 175 Check: 94D  
 tggaaaacttc tacatcctgg ctgaagataa aatatcaact gttgcttctg ccttggaaac 60  
 zacttttgat gttactgcaa cgttttcagg tgtggatctg gaagggtggca cttgtagtca 120  
 ccccttaatt cccgataaag tgtctctct tttacctgac actcactgta ctatg 175

Name: T113 Len: 255 Check: 17C4  
 cagatgggac aaccttgggg cctctcagct ggaaggcggt tggatggaca ccaggcagtc 60  
 cctgagggca gaagtttgcc tggcttctgg ccccgactcc taggcctgac cagcaatcat 120  
 ggaatcagcc cttgttccca accagtgcag tgggcatctt caggcagaac tcaagaagct 180  
 agcagagggt ccataccacc tctacaaggc ccaagggggc ttgtgggtaa gacagcaaga 240  
 aaaaaacta tagtc 255

Name: T114 Len: 255 Check: 1635  
 atcgaagtgc ccagtagggg gatgagggca ctccctctg ctggggcacc gccgggcttt 60  
 agaccacagc atctcactga tccctgctcc ctacgaagg ctctggcttc ttcctgagt 120  
 atttgggtct agtagtagt gggntgntt agacatacag tcttatttct tggtagagag 180  
 tttgtgatcg tgggtgagc ccaggccctc actgcccgt cactactct actactgggc 240  
 tccactccag cctc 255

Name: T115 Len: 255 Check: A62  
 acaagctttt tttttttttt tttttttt ttttttaate aaaagacaan tttatttgga 60  
 cagaaacctt cagacagaac atagaggaat taggcattat taaaatacac tcttgccaag 120  
 ggattnaaca ttagaatatg ggggggggat gggaaacaca ggacaactca nccactgcag 180  
 ggggaagcag cagaccctgg agacagccac acgtaggcaa agggtagctt tccccacaa 240  
 acttctacct ccacc 255

Name: T116 Len: 255 Check: 9A1  
 ccttggtggg ggtatcttac tttcttatta ccggagggaat aatctatgat gttatcgttg 60  
 aacctccaag tgttggtca atgacggatg aacatgggca tcagagacca gtatcttct 120  
 tggcttacag agtaaacgga cagtatatta tgggaaggact tgggtctagc tttcttctca 180  
 caatgggagg cttagggtttc ataactctgg accgatccaa cgcaccaa ataccaaaac 240  
 tcaataggtt tcttc 255

Name: T117 Len: 255 Check: CE2  
 cgaaaagcca tttttgcat gtcccggtt cgtgctccgc gctcactgca gccaccttcg 60  
 ccgcccacag tctctccaa ccgggactcc ggcagtttct tggccagagt cctcgaaact 120  
 cgaactaatt cttacggta gcaccagacc accggcgctg cccaccatgt cagacggggc 180  
 agtggacacc agctccgaga tcaccaccaa ggacttgaag gagaagaagg aagttgtgga 240  
 ggaggcagag aatgg 255

Name: T118 Len: 255 Check: 5DC  
 aggaaacttt agccatggat gtgagtcacg gaggcttatt cctgaactga atatcaactt 60  
 ctgcaatcaa accagaacgg catgttttaa tgagaatgaa caccgttctc attctctcat 120  
 tcttttaacg ttagacagaa ttagagattg ctgtgaattt ttttttaatt tgaaatccgg 180  
 attaaagtga aagcagtggg agtgaagctt taaaaatatt acattactat gtcattgaca 240  
 tggcttttac actga 255

Name: T119 Len: 255 Check: 113D  
 actccgttca cctcctctc aagactgcca accaaggagg gtcttttatta tacgaacagt 60  
 tgggacataa ggcatacgg ctggctggga agctggcagc ctccggatcg attacaatgc 120  
 agaacatcgg agctatgtca agctacctt tcatagtga atagtgtta ccttgggtga 180  
 tcaaggcgtt aatgaacatt gaagatacga atgggctgtg gtatctgaac ggcgactatc 240  
 tggctcttct ggtgt 255

Name: T120 Len: 58 Check: 1902  
 tcagtcacca ccaactgaccc agaagcgagg cagttcctgc taccctctca aagggggtg 58

Name: T120 Len: 255 Check: 1CF6  
 atgcagctct caggagaaga gggcccccta agattgtcag aggagccacg actgcaccca 60  
 tcacaccaga atgcagcatc caggccagat gctttggggc tgggctctgc tcatacgata 120

ttgactggac cagcattcca gctccaatca tggctgcgaa ggttgaccca attgtcatcc 180  
 aagagcctgt catoatgaag ttcattgagg caggatgatc ggctaatagcc agggcagaca 240  
 acgctgttaa accaa 255

Name: T121 Len: 255 Check: 9D1  
 acaagattgg catcaattac tgcctgaacc tgetgttgat ttcctgcggt gatgttggag 60  
 aggaaccaca ctgcctccct attaatcttc tctttgggat gattgaggag tgcctgggaag 120  
 tgtgagagag catcacagt taaaactact tgtgtttget catcagttcc agtgacaatg 180  
 ttgccacacag ctgcagctgc agcagttcga actttaactt cctggtggtt gatttagccgg 240  
 aaccaaataga ggaac 255

Name: T122 Len: 255 Check: DD5  
 acaagctttt tttttttttt tttttttttt ttttgggtgca acccttgacc tttattcatg 60  
 tcttgccctn ccacnagta aagtcaaata caaggctact acccaaagca gaaacccacg 120  
 tccctatcct anactccctc tgtgagccna aaatatataa agtgctgggt tgraatatgg 180  
 ggaaggccna acggactnag aaccccaacc ctggacctca tcaggaggag gagcccttgc 240  
 anaaaaaang gcagg 255

Name: T123 Len: 255 Check: 7CE  
 tcactttgtg atggtttagt gggccctacc agagtcccca ccaagaagtc atattcttag 60  
 tgcctgaagac atcactcagc ttgggagtcg gaggacctgg gcttctctgg gcttgagctt 120  
 tgcctgtgaa gcaaggaag tctctgtatc aaaagccaag tttctctcc cactgtctcc 180  
 caagacacct ctgtctctgt ctgtctaccc ctgagagttg catggggcac ttgtctaaaa 240  
 attcagcttc ccaga 255

Name: T124 Len: 218 Check: 1A33  
 tgagacagtg cagtgttgtg ggtggttggg tttccttagc gtttagaata gccatcattg 60  
 tccgtcaata ggcagagcta tcacgtccag gaaaaatgag gggaaccaga ggcagcgtga 120  
 gatccaaata cagcattcaa aggtaatggg tccagtgggt cctggggagg aggaagggga 180  
 tgatactcca gggttagcca tcttctctcg gaggtgtg 218

Name: T125 Len: 255 Check: 171D  
 tgcaccacgt cgggtggttt ccattcagac agaggccagt tcagaacttc ccagatgacg 60  
 gtcccccctca ggaagctgcc aaccaggacc ccaacaataa cctccaggga ggtttggacc 120  
 ctgaaatgga agaccccaac cgctcccccg taggcctgga agtgctggac cctgagcata 180  
 ccagcccccct gttcatgagc acagcatggc tagtcttcaa gactttcttc gccctctctc 240  
 ttccggaagg cccac 255

Name: T126 Len: 255 Check: 272  
 tctctttttt tttttttttt tttttttttt ttttaaaaag aaatttttgc ctttattaaa 60  
 atggcttttag gcttaataata tgcgaattct ggnaatcaca ttattgnttt aataanaaac 120  
 gactntacag aanggcanaa ntggaccaac anccctgttn ttcttttann gngnnaacca 180  
 tacnggntgt aacnanacaa gcanggcna gnatnanta nccagnatn ctattctttt 240  
 taaacccaag nnttn 255

Name: T127 Len: 255 Check: 674  
 acccctgagt ctgagtctga cacagcaggn aaacgggctt cctgttggga agcacacaga 60  
 anctgcaaat ggtggacagt gctggcaagt ccgtggctgg tgetgatctg ctgcgggcta 120  
 ctgogctcct tgaaccagac aggggtgcag ggagcccatc gccctgactt tagtacttgg 180  
 cttaccagct ctgaccacaa agtccatctc tcaggccctgg ctgcctcttc cctgggtgtg 240  
 atcttcattt tagt 255

Name: T128 Len: 255 Check: 2C8  
 cctgagcttg agtctgacac agcaggttaa cgggcccctc tgttgggaag acacagaagc 60  
 tgcaaatggt ggacagtgtt ggcaagtccg tggctgggtc tgatctgctg ccggctactg 120  
 cgctccctga accagacagg ggtgcaggga gcccatcgcc ctgacttttag tcactggctt 180  
 accagctctg accacaaagt ccattctctc ggctgtggtg cctctctcct ggttgtgato 240  
 ttcatcttag ttacg 255

Name: T129 Len: 255 Check: 1BB7  
 tctgatccat tccaggagtc tctccacctt gtccagtttg actggagtag cagtggcctt 60  
 actaaccttt tagatggtgt gaatccagag ttgtatgaat taacaactgc taagctggag 120  
 acctccacct caagcctcag agtgactgac gcatttgoga agctcatgtc tacagtggaa 180  
 aagacgagca cgtcgaccag gaaacaaaa agggaggagc acctaaagca ggaggccgta 240  
 aaggtgatcg tcagc 255

Name: T13 Len: 255 Check: A17  
 agcttttttt tttttttttt tttttttttt tttggtaggc taatcaattt tattaactcg 60  
 tgcctcttga agacatttgt cctgagaaag ttcaagacac actgccatag tagggagaaa 120  
 gatcacaggg aaaatggaga tgggatttag gttttgaagg actgtagcaa aatgtcaagg 180  
 tcttcagaga aagggagttt gttttgaag ttaattaaaa gttgctgtct ctgtaattgc 240  
 agaagtgtga cctgc 255

Name: T130 Len: 255 Check: 209

atttgattca aacctgtcca accagcctga actgctaattg aaagaactca aacacacagg 60  
 ggggaactgt gtaggacctt taagtctctc tgccaattgt gcaaaaaaaa aaaaaaaaaa 120  
 aaaaggtgga gaggggtggg ggtggggtag aaaagacaaa acaactgaca tcagggtttgc 180  
 tttgccccctg cactgggggtg gccctacctc ctgctacagg tgcaatactg gaggacaggc 240  
 actctaggca tgggt 255

Name: T131 Len: 255 Check: 24DB  
 acccaaccact cagccaazacg ctgtctcaag aagtagngaa cacacanctt gccntggnae 60  
 gcccaaaaaac ngcngananaa gagonantan ttenanntta tgcnaatccn ttggtggaaa 120  
 ganncttttgc aaantttccan cctttnaana annanggctt gncnagaat tttcnccn 180  
 aatnggggaat nggggttcan tnaccnnngn ttggnntcna atgntaaacc cnccttttnaa 240  
 ccngnccgaa ntctg 255

Name: T132 Len: 255 Check: 6CC  
 acatctacaa aaggaaaagt gacgggtatct acatcatnaa cctgaagagg acttgggaga 60  
 agctgttgtt agccgctcga gctattgttg ccattgagaa cctgctgat gtcagcgtca 120  
 tctcctccag gaactctggc cagcgagctg tgcgtgaagt tgccgctgnc acaggagcca 180  
 ctccaattgc tggccgnttc acacctggga ccttcaactan ccagatccaa gcagccctca 240  
 gggagccccg gcttt 255

Name: T133 Len: 255 Check: 155E  
 acgcagacct tactgaggac cagctacctt cctgtgagag cctgaaggat actattgcca 60  
 gggcactgcc cttcttggat gaagaaaattg tccccagat caaggagggg aaaagggctc 120  
 tgattgtctc ccattggcaac agcctacggg gcattgtcaa gcactctggag ggtctgtcag 180  
 aagaggccat catggagctg aacctgcca ctggcatccc catcgtctat gaactggaca 240  
 agaacttgaa gccc 255

Name: T134 Len: 255 Check: 85  
 accnggaccc caaactgagg actgagatnn cnagacccag cttctcagg gngtnggtnc 60  
 acccgaaatc ctgaattctg gatnctnnct cctattccc cactgaggaa anttacgaga 120  
 cttaggacat ctcaaacggg gcattntcaag gggcccanga gctnacatcc ctgngacccg 180  
 gggatnttgg accctgactt tgtctaaaag cccaacccag acttcaagac ggttctngac 240  
 actgnaaaca ctcan 255

Name: T135 Len: 255 Check: B28  
 tgtaaaggaa tccctggggag gctccccagg aaaatcacag gctcctccac acttgctgga 60  
 aacattggag agtgagctgg tagcttccct ctctggasac tgttcagggt gcttccctaa 120  
 gccatcagaa gtctttactc tgctcctctc gggctgaagg gcccggggc agtgcttcag 180  
 tttcttccag gactttgatc tcagagggtgc tcttcatttc ccaggacaca gaagtattaa 240  
 gcaacttata actaa 255

Name: T136 Len: 255 Check: B2A  
 acaagctttt tttttttttt tttttttttt ttttctgattc tgatagggag aanatggcca 60  
 aaaggtcncc antgcccagg atctgggcat aaaaatgggt atggacaaca aggentagga 120  
 aacaatgat anaaagttag aaatttaaaag ngtatgtttt ggggagggag gtgctggcga 180  
 aagggttac agatagcatg anaccnnagn ggttttgatt ggtgtttctg gctggcaact 240  
 acagctctgg gacat 255

Name: T137 Len: 255 Check: 1E71  
 acttatgaaa gctccaagag ccaacgaggt gacctccaaa gtattgtcac cttcgacctg 60  
 gccctagatc ctggccgctt gagtcccggt gccatcttca aggagacaaa gacacaggcg 120  
 ctgactaaag ttagaacctt cgggtctgag agtcaactgt aacctgtgac gctgctcctc 180  
 ccggcctgtg tggaggactc agtgactcct atcaacttgc gctcacaact ctctcttgtt 240  
 ggagtgcaca tccct 255

Name: T138 Len: 255 Check: AA0  
 acagatgagg agagctcaca tttagccttc tcagcagctt ccgaacccct ctgaagtgc 60  
 atgttgtctt tgggtcaaat aacccctgtc tccctcttga actccttgac aatgtgctg 120  
 aacaaagctt ggtcaaaagg ttcacctcct aagaaagtgt cccatttgtt ggatttcacc 180  
 tcaaacactc cttttctgaat ttccaggata gaaatgtcaa aggttctctc acctaaatca 240  
 tatacagcaa tgact 255

Name: T139 Len: 255 Check: 17B5  
 acatctcctt tgtgtgcgca caaagagtca ccaaaatgaa acttcgctaa ctccagcagt 60  
 tegtattggc aaacacctcc agcagcagcc agcagcatc ttggtccctt ataattgtgt 120  
 gttatgtagt ccaactaagt cttacggctt atagatttga tgttctcggt tgggtccaga 180  
 attgtccgtc cgagcgcggg gttttgatag gctgtggcgt gcagataatc aaagacaact 240  
 tcttgcaagt tggtc 255

Name: T14 Len: 255 Check: CD6  
 actgtttgaw ttcattggact ctgtttcaga cttgaagagc aaagaaatta aaagagcaac 60  
 gctcaatgag ctggktgagt atggntogac tagccgtggk gctaattgtt gaatcagcgt 120  
 attctgatat tgtaaaaatg atcagtgcta acatcttccg gacacttcc ccaagtgata 180

acccagactt tgaccocggaa gaggatgagc ccacacttga ggccctcttgg ctcacataca 240  
 gctgggtgat gaatt 255  
 Name: T140 Len: 255 Check: 15A1  
 ttncgagcgg ccgnccggnn tnggcacctg aacgtgagag aagctgtgct tgggggctac 60  
 gacactaagg aagtcacctt ttatcttcaa gacacccctg accaaccctt cacagcaactg 120  
 gctatgtgg ccaccccaca gaacccctgg tacctgggoc ctgctccga agaggtcatt 180  
 gccacacaga tcttggcttg ccgaggctta ctctggccac aaccttgaat acttgggnagc 240  
 gnttggcagg acttc 255  
 Name: T141 Len: 255 Check: 126  
 acaaaaagct gagtgtgttc tcaggcaggg atcctccggg accaggtgag gaagaatttg 60  
 aatcttggat gtttcatact tcccaagtaa tgaaaacatg gcaggtgtca gatgtagaga 120  
 aaagaaggcg gttgatggag agocttagag gccacgcatt cgaaattatt cgagtcctca 180  
 agataaacaa cccgttcatt accgttgcag aatgcctgaa gacgcttgag acaatatttg 240  
 ggattattga taatc 255  
 Name: T142 Len: 255 Check: 1FCF  
 acaagctttt tttttttttt tttttttttt ttttttgcct ggcaaaatgt tttattccga 60  
 ataattttat tgggagtcac ataaatctca ctctaggttt tacacaaaaa cggaagtac 120  
 atagctgcaa atcccagctc tcccttgaaa atacattcaa gtccataaca aatgttaatt 180  
 gcacttaaaa attaaatagg atgtgaagaa aggatgcaat ataaagacac tcaagacctt 240  
 tccatttaatt ctgcc 255  
 Name: T143 Len: 255 Check: 1F70  
 acaccccccc agatggaggc tggggctggg cgggtgtagt tggagccttc atttctattg 60  
 gcttctecta tgcaattccc aaatccatca ctgnccttct taaagagatt gaaattatat 120  
 tcagtgcaac gaccagtgaac gtgtcatgga tatcgtccat catgctggct gtcagttag 180  
 ccggaggtcc tatcagcagt atcttgggtga ataaatatgg cagccgtcca gtaatgattg 240  
 ctgggtggctg cctgt 255  
 Name: T144 Len: 255 Check: 1F83  
 acctggagca cgtgttccgg cagcgagccc aagagctgtt tggaaatccat gtggctgacg 60  
 tcacctacca acccatgagg aacaaggact tccaggaagt gacactggag agggaaaggcc 120  
 aggtgctgtt gcgcttggct gtggcotatg gcttccgcga catccagaac ctctgtcaga 180  
 agttaaaacg aggcgcgtgt ccttaccatt acgtggaagt aatggcctgc ccttcaggct 240  
 gcttgaatgg agggg 255  
 Name: T145 Len: 255 Check: 277  
 accttaatac caaatataat tttattgaaa acacacaaag caaagataat tgttataaaa 60  
 agttgatcct taggatgatt ttaaggtcaa ttaattcagt gaaagacctt taaatcaact 120  
 ttagcagcta tccatggtaa ttcttgggtt tttcttgatt aaaataattt gcttctgat 180  
 aacagtggat cgtcattggg agtggtttgt atccccagtg agactctgtc caaaagaact 240  
 gatctattta caaat 255  
 Name: T146 Len: 255 Check: EB3  
 ttccggtttc gagcggccgc ccgggcaggt accttcaatg aaatgcaagt tactaagcgt 60  
 gaacggcttt gctttttcac gtgattaaga ccttacttca aactgtagaa gcttttcaag 120  
 agccatatta ctctcctgat acttcattaa ttccatcat gtatgccaaag cctgacacat 180  
 gtgacagaga agacaatgtg gcttgcctct ttttgaatct aaagataatg catgttttac 240  
 agtacctcgg ccgcg 255  
 Name: T147 Len: 255 Check: 11FF  
 actgcaaaga gccagagggg ccctagaaga anctngggnt gtgocaggta agaaccctac 60  
 agaatatcat gcccagcagn tttattttga aaataagcta aactgttatt ggaaaagctt 120  
 tgaaggaatg agacagatgt tgcctacaga acagctttct aagcaacaaa gtaatgatgt 180  
 cagtaaaccc agaaaacgtc cccagaataa aaaatggcag gtgctggaaa aacgatggcc 240  
 agagactctc aggc 255  
 Name: T148 Len: 255 Check: E20  
 tacatocagg acctctgagt ccagaaccac ngccaatggg tgtcagggtc atctgtggac 60  
 attgcaagaa taogttttctg tggacagaat tcacagaccg aaccttggca cgatgccctc 120  
 actgcagaaa agtgtcatct attgggcgca gatatcctag gaagagatgc atttgcctgt 180  
 tcttacttgg gttactcttg gcagtcactg ccactggcct tgcttttggc gcatggaanc 240  
 ctgcncagca atatg 255  
 Name: T149 Len: 255 Check: 19A2  
 acaagctttt tttttttttt tttttttttt ttttgttctt ataaatgaag ctttatggaa 60  
 aaaggctgtg tgaactagat ttccataaggc ccaggtttgt aacaatgtta acagttccat 120  
 agagaaccac aaatgcctaa catagcatct gaggtgtat ttgagaagtt tattcccgat 180  
 tccacgaact ccagaggaaa cattaacaca atatgaaaag acgaaagaaa gaaagaaaga 240  
 aagaaagaaa gaaaag 255  
 Name: T15 Len: 137 Check: 1BA

acagagacct taaaccagaa aacatcttgt taaacgaaga catgcacato cagatcacag 60  
 attttggaaac agccaaagna ttatccccag acagcaaaaca agctagagcc aattcatttg 120  
 taggaacagc gcagtat 137

Name: T150 Len: 255 Check: 314  
 accaactatc gagctggcta ccaaggtgcc catgacctgt tgctctatga caacgcccac 60  
 atcggtatcc gccatcccaa catcatctgt gactgttgca agaaacatgg gcttcgtgac 120  
 atgcttgga agtgccgtgt ctgctttgac tatgatctct gcacgcagtg ctacatgcac 180  
 aacaaacatg accctaccca tgccctcgag cgctatgaga catctcactc tcgcccgggt 240  
 acgctgagtc cccga 255

Name: T151 Len: 121 Check: 1774  
 acattaagac aacaggtgat catttgctct gtcactgccc catgtcacct tggcagtcct 60  
 tctaagggaag gaaggaaaag aagatagaag aaaggaggga agggaggga gtcagtcttg 120  
 t 121

Name: T152 Len: 255 Check: 287  
 acacgtgact gcctgcttag tgggtgcatsc acctgcactc gggtttctct gntttgcagg 60  
 ggtttcttag aaccagtata atgaattcaa gcacaggcag aattgttttt gacaatgagt 120  
 cgctgttccc cagatctagt gtgtcttgaa aatggagaac ctgcccgtnt tggctctcta 180  
 acagaagctg cccacaggag gcaggacagt gcttaggtca ttcattgatga ctgattctgt 240  
 gatcagacta crngt 255

Name: T153 Len: 255 Check: 2369  
 acctctctca gtaacaggat gaaggaggca aagtagaaca catagaccat tcccaccaac 60  
 cagtgcagaa acattgtggn ccttggggct gactgaaagc tcagctctctg atctttcaga 120  
 gtagcatcaa acatttcag agaacaata tccagccacc agccacagat gagagggaac 180  
 atcccaattt ctaccacaac taacagagag accttaacca caatatagca gacgcccagc 240  
 aagcgacgag accta 255

Name: T154 Len: 255 Check: A9F  
 tacatctttt tttttttttt ccccatagtt tgctatctga ttttgttagt cctgacttgt 60  
 tagtctttt cagcgggtaa tctggggaggc agtgttatcc ctccctctgc taggtatgta 120  
 atgaacctt gcactcacca tgactccctt tgaaggtctg ttcttccagc tatgtctgat 180  
 gttgtctctg acaggtcctg ggacctatgg gatggggatg acatcatact cagtaggcca 240  
 agtttttata gtagt 255

Name: T155 Len: 255 Check: 271  
 cctacagngc cctgcaogaa gtaggggacc cactactagat atccctctct gtaaagcacg 60  
 agcccaactc actggetatc tgattctcac cctccctttt agtccgagga acagtgtgac 120  
 cctttggaac gagatttaga aagagggcct tcatgcacag aattctgggg cctggcacag 180  
 ctccctgccc aggagctcag cttgctgctg agggctgggt gtgacctatg ctgcccctgg 240  
 ctgctggggag aagct 255

Name: T156 Len: 157 Check: 90B  
 gatcataaag cctggagatg agggggctcat tcaactggct aaactccaga cagagaaacc 60  
 gtccctcagg ctttaggact cgatgggctt cctggagagc ccggtcaatg tgcgtgacat 120  
 tccggatccc aaaggcaatg gtgtaaacgt caaatct 157

Name: T157 Len: 255 Check: 182  
 cccgggcagg tactaagaat ggaactggggg cctcaggcct gctaggcaag cactctgtta 60  
 ttgagctgta tcttcagctt gtaaatgcag tcagttaagg tggttgcatg tgggagcctc 120  
 taatccaata cggctgatgc tctgacaaag gagtaaatgt gtatctatct ccttgagata 180  
 cccacacagc gaagatgccg tgtggacttg aaggcagaga tcagaacaat gtatctacaa 240  
 gccaaaggaat gccaa 255

Name: T158 Len: 127 Check: 1AF7  
 gngcttcacg tggccttggg gtgcttgcca gtgtttggag ctttgcttca gcctgttaca 60  
 ccaaacttag ctgataagtt gctgtcaaga ctgggagtct ctaccacaga gagaagcctt 120  
 ggagagc 127

Name: T159 Len: 255 Check: B0A  
 accccttcag atcaccagcc tcaagaagca gcacagtttg agaggaaaga tgaacccaaa 60  
 gctgaacaaa tggaaaaggc tgaagaagag agtcggctcag aaaacagtct cccagccaaag 120  
 atccccagca gaggggacga aacgggtgct gctccccagc aacctcagc acagcttctt 180  
 ccagacacag cctctctctt cctcatctgt tccctctctt tttctactcc taagttctgg 240  
 ctcaaggcca gntga 255

Name: T16 Len: 255 Check: 23B5  
 actgctttta gatgcaacag aagcagggtct gatgggagca totttcttga ggaggcgtgt 60  
 cttgtccagg ccattctccc tgggggaatg tgctgggctt cctcgagggg aagatggatc 120  
 ctcaattggac acatcaacta ccaagtgtgc atcactcttc tcaccatcac tgcctatagc 180  
 agctgcaatt tcttctctct ctgtttctct cttcttgcct totgaggaat agtctgtaga 240  
 gttcctgtgt ttctc 255

Name: T160 Len: 255 Check: 1470  
 cttagcagtg ggtagctcac tgttatcggt ttccgggtca tccctctgaa acacgatgat 60  
 gtcaccatcc atcagctcat cgaggggttt atcaagagac acatcatagt cctgaattct 120  
 ctctgttaaa ttccggttaa ctccctcata gaggataagg ctagtatcct ggataaatcc 180  
 tgctctgtca cacataaccg ggagcaagtc acgtatttta caggatatgg g-gt-gtagat 240  
 gtgtccacag taatt 255

Name: T161 Len: 255 Check: 260C  
 cacaagtggg tccacaggaa ttccaaaggg agtcatgata tcacacagca acatcattgc 60  
 ctctataacg gggatggcga gaaggattcc aagactggga gaggaagatg tatacattgg 120  
 atatttgccc ctggcacatg ttctagaatt aagcgtgag cttgtgtgtc ttctctcagg 180  
 atgcccgaat ggctactctt caccacagac attagcagat cagtcttcaa aaataaagaa 240  
 aggaagcaaa ggaga 255

Name: T162 Len: 255 Check: 1E42  
 ggggcccagg tacttgccca ggcgctcaga tcggcagggg gcaccagctt tgatctgccc 60  
 agtgccagagc cccaccacca ggtcggcaat gaaagtgtcc tcagtctccc cagatcgatg 120  
 ggacacccatg acacccsagc cattggactg ggccagctta cagcctgca gagactcggg 180  
 cacagagcca atctgggtca ctttgagcag gaggcagttg caggactttt cgcctgcagc 240  
 cttggcgatc cgtt 255

Name: T163 Len: 255 Check: 252A  
 acctgcccgt gngcagagca nctaaggcca cggngtttga gaatgcnct gtttngatg 60  
 aaattgctng ncttgaggaa aaattcctta aagcaaagga ngaaagaaga tacttgctga 120  
 agaagctnct ccagatccat gctctaactg aaggggaacc acaggtgcc gctccctccc 180  
 acagctccag ttgcccctg gcttatggtg ncaccagctc tgtgggaacc atccagggag 240  
 ccgggcccag naactg 255

Name: T164 Len: 255 Check: 1351  
 ataaaaatgt aagatatgca aactaaagtt cctttaaata cggtgacagg tttggctcta 60  
 atacttgctt cttggatata gcagctgact gccatgttct ttgatgacta gtgataagca 120  
 ccattgagag ctgaccta ctagggagaag ggtggatctc ttcttctca catccttacc 180  
 tcttcttagc atcccaaag cagggcataag agcaggagag aagcacttct catgccaccg 240  
 gtgctgttag gcacc 255

Name: T165 Len: 255 Check: 225A  
 ctgggttgcc acctcacgct gcttctgccc aocaaagctg cattttggca agaagtggag 60  
 tggagaagac atgagctgn gaagagcaaa cctacatgc agatgtggac actggcctct 120  
 caaagagtgg nggtgttaga tgctgcccc agctagagct gggcagaggt gacagggagc 180  
 ctagcctctg aggttcaact ccagctttt ggttggcacc cgggtccgtg caatgataat 240  
 gggcaccaga gccag 255

Name: T166 Len: 255 Check: 19D  
 accagggcac cagcgtgggc aggatgaagc acatgagcag gaggcgggc ttgtaatacc 60  
 tccctctgaa catcaccagc ttctcagctt tcaggtcaga catgtccagc ttccggccct 120  
 tctctttgac agccgggtgt ttgcgcacaa gcagccaacc cagtgagag aagaaaaagc 180  
 cagggcggga gttgtgaggg tcggcagtg gtctctgaga acttgtggtg ggcgcgggga 240  
 tcccggccc attcg 255

Name: T167 Len: 255 Check: 16A  
 ctgattccag gattcccaag aggcattttt tggccatctc agaagccagg gtcacccacc 60  
 tgtggtctca gggcatcaat ttctctgag tgcctgactc gagtaaaagt gtaaacacac 120  
 ccaagaccaaa ggctgcaagg actgtcctt catccatcta tgcgtctgtc aagtgcatta 180  
 gtcggacaac tggggctaag ggcagggaca gatgttgact gcttaagcag gaatagccca 240  
 agottgtaag aaaaa 255

Name: T168 Len: 255 Check: 1731  
 acatccctct ttctgttaa gtaagggttg tcaagtgttc ttggatggag agggggaaaa 60  
 aagccocctt cattgcaacc tgaatgaatg aagcaacaag agtaagtctt ttcaatcgc 120  
 taatatgtca gtgacgttac tgtccagaca tgtgttaaca ttaacacgag taatagatgg 180  
 tottacaat tctcgaaaaa tgtaaatcat ccaatttcaa aacgttacag aatagtctat 240  
 tggattttgc aactg 255

Name: T169 Len: 255 Check: 1F52  
 actttccgcc tagggcttgn caaatcaaca agnccctcac caccctgncc actagcgtc 60  
 accctcccac aggattagac cagtgccagn tctgnagcca gtggtgga caatcnccag 120  
 gcccnaagg gtttccctct tcacccagg ccaagataac tgtctntccc anacggagac 180  
 aggnccctn atgaancnc nccancnnc anaacctct tanccnncn gtaccnaggn 240  
 cccggcctna angga 255

Name: T17 Len: 255 Check: 2634  
 actgtggatg tgaatgtggg aagtaatttt aatcatgtgt aattgggtcac aaggctaato 60  
 tgcagtaact cttgctgttc tatttaacaa tgccttgttg ctttgcattgc attaacgttt 120



ggggtgtaaag attgtgtgtc catccaacag ggagccacag tatttaaatt gaccaacctg 180  
 atgttacaac tttgaggtgg ccaaatgtaa actaaaagcc ttaattaaag tgggtgcaatt 240  
 ttgtataact taagc 255  
 Name: T170 Len: 255 Check: 246D  
 accctggaga tggacctgtt cgggcagcaa cagcttgttt tggatttccc aaatctttcc 60  
 tcagtggctt tcatgaattt cccctcaaca aagtaaaaag tctcttcaat ggaacatttt 120  
 ctgctgaaat gctatcctna gagcctaaag acngcacttc anttnaagaa agtaatgggtg 180  
 agcttgagaa agagattgtt gagcaagcgg atnaggacag cactgcagac cgnccanaga 240  
 gcaaccgcaa aacng 255  
 Name: T171 Len: 255 Check: 260B  
 ncttcttcan ataacagagg gnatcctgtg cacactgcaa tgntagcact gcctccataa 60  
 ancatcantt aagaaaggcc caanagtang atgotgtttt ttttaaaata atttanaata 120  
 tattaactnt cctaaggcag attttgtgtg agggcggtgnt gaataggtn ctgntnccgn 180  
 tgccaaagaa cggcgcttgn aaggnnctgn ctgntctgna canttgangc gnggggtaaa 240  
 tccctnaggg cacnc 255  
 Name: T172 Len: 114 Check: CFC  
 ggagtctggc tgttttggga gccggtgtgg cctcgggatt tttgtatttc tatttccgag 60  
 atcctggaaa ggagatcacc tggaaacact ttgtgcagta ttacctggcc cgag 114  
 Name: T173 Len: 255 Check: 1853  
 ntatntgttt ntangatttc nngagatttn tgnagaggatt tacttgctga ctgttatttn 60  
 ttttctnntg atncnnntg gagaagaatt ntatcangtc tttgngaatin ccttaccaca 120  
 ttgggaatat tgtctcangc tctttgaatg ngtgttggn tntnannant nttgnetnng 180  
 nnnnangatt ttagngatnc gtcgccttta ncgagatngg nttncntggg tcttannttg 240  
 nacgggaatt ancca 255  
 Name: T174 Len: 255 Check: 1DBA  
 acnnnantgt gngttnctgg cttgntctn aaactgnnac tcatgaaggt gncnctggnc 60  
 anacnatatn acgaatggac gccttcaaaa atgtccccc acagncang gtggcctacc 120  
 ggnactgggt catntgtgcy gatttgtatc ctacaggttt gggtttctct ggagacocca 180  
 ctgggctgga aacaggcgtc tagaaacgca tctgtctggg cagctatgga tgaagtgacc 240  
 ttagagctgg gcacc 255  
 Name: T175 Len: 255 Check: 977  
 gcaagcctct tgttcagaca gttgaatgtg gctcccagga ggcccccaat gacccccatc 60  
 acgacgaaga aaocccaaatc catagctgtc cagagatgac atttttttatc agagtccagag 120  
 cacttaaat caccaaagtt cagcagttca ggcagctgga aggcacocca acttncaaac 180  
 tggatcccag agcgaagaa gttgaggggtg aaggtggcag acatggaaca gaagagcact 240  
 tccacgtga gtccc 255  
 Name: T176 Len: 255 Check: 60  
 accaggtccc tngggagttg gggggtcagc ctgtgcactt gaagcgtgac ttcttctctg 60  
 ccaatgcttn tggggcacaac tcagagcact ttatcaacct tcgagaggtc agtaaccgca 120  
 tncgcctgoc gccgggggag tatatagtgg tgccctccac ctctgagccc aacaaagagg 180  
 gtgactttct gctgcgcttc ttttcagaga agaaggctgg gaccocaggaa ctatagtgacc 240  
 agatncaggc caacc 255  
 Name: T177 Len: 255 Check: E0  
 agctgagagt agctttcagc ctcccaactca cagagctccc tgagatagag cccaggtcct 60  
 ggagcatctg ctgccacaca taagacacac ccagctctct ctacagatc ctatcctgtg 120  
 ggtgttgaga gcagaggagc agctacaaga atcagrtattg tgggtcattc cagtgtttat 180  
 tgtaaaatgc aagtgagtc catttaacct catgattcta atgtctgctg aacgaccaga 240  
 cagggcataat cccag 255  
 Name: T178 Len: 255 Check: 1B7D  
 ttagcctttt cgcggccgag gnacgcccac tgntgggggg gcctntgaag gggaaggttt 60  
 ngggengaca tcacaggnc cttccngggg cccactggc cagctgnaga gagcacaggc 120  
 tactacgtca ggctgtgtga ggttttnant tgctgccttn ccttngnnn ataaganctg 180  
 gacnanaggn ncnncnnnagn nngntaaaga aactggntna nngncntcga accaangctn 240  
 aaattngcn tntga 255  
 Name: T179 Len: 255 Check: 13ED  
 atccagtgc catggatgcy ggtttttggg ttgtttcagg ctgtgagaag ttacacgctg 60  
 gtcagctgac ttttcttttc tgagagaatc acctctcaaa tgccttctctg tgctccctga 120  
 gggcctnctg gctggntgca ggtttctggg ttactgggtg tctgggctgg cgggtgtcc 180  
 gttatcactt gatagaaaga atagaaaatg tttctactct taccctgcta gcgttgagta 240  
 gtgttaaatc ctata 255  
 Name: T18 Len: 255 Check: 2247  
 acaagctttt tttttttgaa aacaactctg gaatctttat tactttctct taaacagttg 60  
 ccaggggccgg agtcaacgat aaatagaagg cacagtgttg cttgggttttg tcatcagatt 120

tgggggtttgt	ttctctgtgg	gaattttttg	tccttttttc	ttttttcttt	ttttttctct	180
ttttttttta	caaatacaaa	taaaaatga	aaaactctac	ctcaaaaaaa	totaacagt	240
caacaaaagt	cttta					255
Name: T180		Len: 255	Check: 567			
acaagctttt	ttttctttt	ttttttttt	ttttttttac	cttaaatatg	taacttttat	60
tatgaacatg	aagcatgtat	gtttatttag	actgactttt	cotaaggnta	acaacctcaa	120
ccaccatagt	gnccctatct	ccgnccctct	natgtctgac	caatcacatg	atgaatcagg	180
acggctgtaa	gagctgnatc	tgataacttc	agnngnaaca	acaatgngtc	atatttggt	240
ttttattaaa	tcaag					255
Name: T181		Len: 175	Check: A9A			
gattggggcg	gcccagcctg	tggggctggg	acacgagctc	cacgtgtttc	tgtagtattg	60
aaacagtcac	gcagacgggt	tctgggtttt	ctcacagggt	gtaaggctca	ggctgtccat	120
tcaggtggag	agggataaa	gagaagatgt	ggtaactttc	gtgtgctaag	gacgt	175
Name: T182		Len: 255	Check: 1CA0			
ttagctgtgg	tcgcgccgga	ggtaactta	agatgttttc	aaagctgggt	ccagttagt	60
ttatgtcttg	gatcttgcat	atagactaga	tctcaaaaag	ttgccccctt	gctgnagcag	120
gaataatgg	nggntctatc	tactggacan	cngtgactta	tggagcagtg	acngngatgc	180
aggttgtagg	ccataaagaa	nggctggang	ttatggagcc	gagctgaccc	tttatttctt	240
ttgattggac	ttcct					255
Name: T183		Len: 255	Check: 204F			
atggagaagt	ttgcctccta	ctgcctcact	gaaccaggaa	gtgggagtga	tgctgcactc	60
ctcctgacct	cagctaagcg	acaaggagat	cattacatcc	tcaacggctc	caaggccctc	120
atcagtgggg	gaggtgagtc	agacgtctat	gtgtcactgt	gcagaactgg	tggatcaggg	180
cccaaaggta	tctcctgcac	agttgttgag	aaaggaaacc	ctggcctcag	ctttggcaag	240
aaggagaaga	aggtg					255
Name: T184		Len: 255	Check: 2237			
acttcttcaa	ataacagagg	ggatcctgtg	cacactgcaa	tgttagcact	gcctccataa	60
agcatcaatt	aagaaaggcc	caagagttag	atgctgtttc	ttttaaaata	atttaaaata	120
tattaaacttt	cctaaggcag	attttgtgtg	aggcgtgttg	aataggtagc	tgctaccgct	180
gccaaagaac	gggtgttgga	aggggtgtgc	tgctctgggc	agttggagtt	ggagggtaaa	240
tcccgtaggg	tcaag					255
Name: T185		Len: 255	Check: 222E			
acttgagtta	tttgggtttg	ttcacctgtt	tcagagatt	tttggctttt	tgggcagaag	60
cccatggacc	agactgtggg	ccatcttagt	ctgcattggg	aggtggcagc	cggagtgggt	120
gtggccctgg	ctaccaaagcc	cctgacagcc	cgtaaccagg	aggatgggtg	ttttgacttt	180
cttcaactca	aaocagtgca	gttgacacag	tggctgtctg	ttcaactgtc	catgaaactg	240
cttctgggtg	ggtgc					255
Name: T186		Len: 255	Check: 110A			
acteggtctc	cttgcttttag	ggatggctca	cccacctcct	ctgttccgaa	actctcaggg	60
gagctgctct	cctgaagcac	gagctccaca	ccgcttgggt	ggagaggagc	ctccgggtcc	120
tctgagagct	tctcctcact	ctcctcatga	atgggagatg	atggagaccg	cagggtgctg	180
tctggagact	tgctctgtgt	cctgcccctc	tgtattccat	tttctatgat	tcatcgaggt	240
ccagcaaggg	gacaa					255
Name: T187		Len: 255	Check: CB8			
acattctatg	gagtgaaccg	cagcagcaac	aggagggtca	gttctccttc	cagaacctat	60
aaaaccccag	tgctatcgcc	aagcaagtga	acaccgaggg	tgtgaaaaga	aacanactat	120
gttacaaagc	atacctta	tatttcagac	nataaaaaaa	aatgaacaga	aacagaaaaat	180
caaaccttta	tctcatgntc	ttttcccta	gaaaattaaa	ctaagaataa	aaggcatttg	240
taaaggcaat	angnt					255
Name: T188		Len: 255	Check: 3B4			
actttgaata	cagcgatgcc	cacaaagtgc	aaaatacaaa	gataactgca	ttccattgca	60
gcactgttcc	aaaccccctc	tgagtcaaat	atgggcattga	cagttgttta	gatgcacgaa	120
actaccttga	aaaatgctac	cagaaactat	gtcgggtgtg	ataacgagtg	ttaaactctg	180
ctaaaaagag	cctgtcacat	ttgccacagc	ataaaaaatca	ccttgggtcaa	ggacaggcac	240
atgagtggag	cctcg					255
Name: T189		Len: 255	Check: E03			
cgccggggcc	gagngtacct	ctcaacccct	gacagtcagt	ctctgctgtg	tgacctcatt	60
cgatacatct	gtggggttaag	tccacccctc	taacgaagtg	ctgagttctg	atatcttgcc	120
ccgatggggc	atcattggct	ggctcctgac	aacatgcacg	tccaatgttg	ctgcctccaa	180
tgccaagctg	gctttgtttt	atgactggct	gttcttcagc	ccagacaagg	atagcattat	240
gaacatagag	ccagc					255
Name: T19		Len: 255	Check: 1C24			
agaagggagc	cttcatgaag	ccctggaaag	cccggttggtt	tgtcctggac	aagaccaagc	60

accaggtgag tgggtgtaga gggacaaggg aaacagaagg caggcctgtc ttgactctgc 120  
gcctctgtct tctcatcttc acccagctgc gttactatga ccaccagtg gacacagaat 180  
gcaaggggtgt cattgacctg gcagaggtgg aagctgtggc acctggcaca cccaccatag 240  
gtgcccctaa gactg 255

Name: T190 Len: 255 Check: 1B3F  
nnnnnnnnntc cggggettanc cgttggtccg ccggcccagag gtacaccggg accgttggaa 60  
gcctctggag gtgttacttg gtgtggccac aagctcataa gctggagaaa cccacctctg 120  
gagatgtcag gtaggaagct gaactgttct ggcttcagct ggattcgaaa gtaagtctct 180  
atagattgnt tctgtgagag acttctctct gcagtaggac gaccacggtt ggggtctccag 240  
gaccagaatg ccccc 255

Name: T191 Len: 255 Check: 2395  
acacttctta canggcgact tctagatcta cnatgatgtc acttnttctt ggaatattnct 60  
tgctctgtct actagngct tctccannca tgaaccenna atntnctnang aagtngnna 120  
nnatgncncg gtnggagctc tgatgcccct ntctcaagnc tcttccacca tangnatna 180  
actgtntctn gnnttcaacta tctgacagaa cctcataagc agcaccenna tctgttaatt 240  
gtctctctggg ctagg 255

Name: T192 Len: 255 Check: 66B  
accaanctct gntctggggc ttctcttgag tcaagattcc atttatgggc ctctgtcaga 60  
ctggctctct ggtcgccaga ctccccaggg ctcaagtctg ttccaatac ctctctctct 120  
ttgggactgn gatctccaga acctgctaact ctcaagtctt cctctggagt ttctccaggg 180  
ctcagccctc atttctgagc ctcaagtgtt ctggaatcca ngtctctggc ctctgtctggg 240  
ctctgctctc agtct 255

Name: T193 Len: 255 Check: 423  
aggtacacca ttgagaacct aaggcacttt gtggactcac accaccagaa gctgttcaat 60  
gctatcattg agcatgttcg agacggcagt gtggctccgg cctgtctctt tccggatcac 120  
taccttgcta ccgtcatgct gtcagggatt aagtcccaa ccttctctcg agaaacagat 180  
ggtagtgaag caccagagcc ctctgctgca gaagccaaat ttttcacgga gtctcgactg 240  
cttcagagag atgtt 255

Name: T194 Len: 255 Check: 47E  
accaagctct gnttctgggc ttctcttgag tcaagattcc atttatgggc ctctgtcaga 60  
ctggctctct ggtcgccaga ctccccaggg ctcantctgc ttccaatac ctctctctct 120  
ttgggactgn gatctccaga acctgctaact ctcaagtctt cctctggagn ttcttcaggg 180  
ctnanccctc atttctgagc ctcanctggg ctggaatcaa ggnctctggg ctctgntngg 240  
ctttggcctc cagtc 255

Name: T195 Len: 255 Check: 142B  
acatgtaaat gactgtttct taaccgcaac ttaactaccg agcaaaaaat ttataaagct 60  
gccaaaaacc aaaaagcaaa caaacaaaaa ccagctttca gcattacatt ctgggaaact 120  
gaagtgttg atcttattca aagttttagt tctctttttt agttactaca atactgataa 180  
acaggatata ctttatatgg atcagatagc caggatataa ttcttgtatg tgaatacttt 240  
cattaaagca aaaga 255

Name: T196 Len: 255 Check: 1424  
accagcgcaa agcaggtctc ctgggtgttg ccgtattatc tgacgggtgt ggtgaccaca 60  
tcagacaaag actgctatac ccactgtctg agatcggttg caagggcctg gatgacctct 120  
cacaggttgt tcgaaatgct gctctgtttg cctggggcca gttttcagag aacttacagc 180  
cccatatcag cagctattcc gaggaggtaa tgcccctgct ccttacctac ctgaagtcaa 240  
gtgcctatgg gaaac 255

Name: T197 Len: 255 Check: 1DCB  
caagcttttt tttttttttt tttttttttt tttttttttt tttttttttt tggectactt 60  
nacnannccc tttnnnnctc nccctnanc cactnctgat cttctnact nongatnact 120  
ncgtgcttg nncntgaggt cncctcanna gtntacgta atnctctct nnttgcccn 180  
gaaccacctn ttcagantac ttnonncnc atatntcan ctattccctt gtnggtaant 240  
gnccctgctt conta 255

Name: T198 Len: 255 Check: 23E3  
accatgtccc agagagcctc ttgggtttgt tcaattttta tgagttaat cagattttct 60  
taatcaggaa ggtccttg gacttcata gtaagctgaa gctgctcttc tctcacctg 120  
agtgttgatt tcaggtcaat ggcggccacc ctcccttccc tcttactgtt gaagtctctg 180  
aacctgtggt tctcaagtgg agcggcaca agccaaggca ccagcgcat tcagtagcag 240  
gatatatcca tctta 255

Name: T199 Len: 255 Check: 1622  
acaagctttt tttttttttt tttttttttt tttttttttt ttttttgagg ggacaacatg 60  
tcaattttat aaaaaaagng taanatttca atctgttaan atttgacttg taagcttttt 120  
acacattctg atttttttca anatttaaaa aacncaagga aaatgaaana attttttttt 180  
canaccactt tatctgaatc actgaaatta aatgaagctt ngggcctana ctccagggggc 240

taaatngttt ttgga  
 Name: T2 Len: 255 Check: 428  
 acatggccgg aacaccanga gtatgnaga tgcgagcccc agtccaagga ccaggntcgc 60  
 tggaagngca nccagcccag tgccaagcac ggnccgggga agcngnctna nanatnccag 120  
 ccgcttanac gcctttcacc ttgggcaagn agaccaagga aggacacagc nactactaca 180  
 tntccaaacc taactacat cnggaaaacc agtgccgtga tgatgaagg gacnggcaat 240  
 ggcnaatna ctac 255  
 Name: T20 Len: 255 Check: 17CF  
 acgcatgggt cagcagatggg tgcctatgtc ctctttctgc cttgtttatg gtgttacctt 60  
 ccagccaagg gttgccttaa attgtgccag ggtgttatg accagagtga caggccctgga 120  
 tgcgttgta aaaaactcaa tacagtgtgc tgcaaagtgc cactgtccc cccaagggaac 180  
 ttgaaaagc cgacatagcg ttattaatca ggaatactgc agtaatgagg attgttgccc 240  
 cccccccacc cctt 255  
 Name: T200 Len: 255 Check: 5E4  
 acaacatgct gaacgaggac actaccgccc acctcatgggt ctgctttctg tggatcatga 60  
 aaaaacggga tcagagcctc atcaggaagt ggcctgcga cctgccttcc atgcagctca 120  
 acaggattct agacctgctg ttcactgtgt tctcctgctt tgaatacaag ggaaagcaga 180  
 gttctgacaa agtcagtaac caggctcctgc agaagtcaag agatgtcaag gccaggttgg 240  
 aagaagccc gctc 255  
 Name: T201 Len: 255 Check: 1966  
 accaaagntc tataatatac ttgtctaaag acacttaagc gtgactttcc ggggagaagc 60  
 ccacactgat gcttggtctc atctcaccgc tgcctcggac acctctctat cgaatgccc 120  
 gctttagatc taagtgaata atggcctttt agtaaatctc caattctgnt tcaactgtc 180  
 tgtccatgaa attctttctc ctgtcaaaagc cgaaggtcct agtgcctccg tctgcgttgc 240  
 ccacaaccgc gtgag 255  
 Name: T202 Len: 255 Check: 6B0  
 accaagctct gttctcgggc ttctcttgag tcaagattcc atttatgggc ctctgtcaga 60  
 ctggtcttct ggtcgcagca ctccccaggg ctcagctctgc ttcccaatac ctcttttctc 120  
 ttgggaactgt gatctccaga acctgcta atcagattct cctctggagt ttctccaggg 180  
 ctcagcctcc atttctgagc ctcagctggt ctggaatoca ggtctctggc ctctgtctgg 240  
 ctctgcttca gtctc 255  
 Name: T203 Len: 255 Check: DC0  
 acctcgagga aaagtctctc ttnagctggc anngctccct gcaacnggtgt cttttgactt 60  
 cattcttctc tntaatnca cgtctaaatga ccactctat tgatagagac ctgccccttc 120  
 agtctgttcc ttaggactgn ntaancatcc aggtctatgc tgccagagcc tacatgntca 180  
 ggctgntctg gaatgagcac ccagctctgg ccagctccct gaatcatgtg gcctgagggg 240  
 aagcactggc ctcca 255  
 Name: T204 Len: 255 Check: 1AB8  
 nccaaanaag ccnngagnnn tngctennat ctgcttgatc tntgnttgn tncannngt 60  
 ggaccacgat gaacactcta attctgacag tgtcccacct ggctatgagc ccactctctt 120  
 gctcgaggca ctnaatggac taagggtgt ctccccagct atccccctg ctccccctcta 180  
 tnaggaaatc acctactcag gcactctcag acggtctttn ccangccagn tgtcccttgc 240  
 tggactcgat cgaat 255  
 Name: T205 Len: 255 Check: 47F  
 acatgcattt gnnacagagc acccaccatt atcatcagac ttctctacaa ctaccgctg 60  
 ccattggtgga agaagggtgag gaggtctatg agccaagaaa cagaaatgga agcanaagag 120  
 gaaactgggt ctgttcaagc taacctcaen ccaggtccaa cngatgccag cctgagtcaa 180  
 gagacccan ctctcagcc tgactgtctc aatcagacgg aggtgtcctc cagtacaca 240  
 gaagatacct ctgct 255  
 Name: T206 Len: 255 Check: 501  
 aaatacgcag ctttntcaca ggtcggnatc gcgaggcaat ccanggtggg aagtccggta 60  
 agtcttaatg ctgggntctg ntaaaactga aggactaagc aggcagttac cnaantnng 120  
 gcttgagcac tngagnctt cacatttnc cgaatcactc anaaaagnat aacattccct 180  
 ttctctggt ttacttacag aatctggcca aaagctaagc tcaatttctc tgatgcttca 240  
 ggctctcacc aggtt 255  
 Name: T207 Len: 255 Check: 61E  
 actanattna gagacattag gagttncatc cataattcga ctanagccat ttggggcatt 60  
 atgggtggat gcaattgccc aactgggnt tactccatac ttattctgca ngaatgcctt 120  
 gtnttggnc ctgctantga nctgtcctgt ggnccgcaga tncgtgggt tannacant 180  
 cttccaaagt tctgtaagta atagcaaatn ttccagatca ttggctgtga acttttgc 240  
 tggaaattct gagac 255  
 Name: T208 Len: 255 Check: 311  
 acatcagaac cgattcacc aacaggagcg acagcaggca gcagcagcag cagcagcagc 60

agcagcagca gcagctgaaa cgaggtgctt ggtgatagga aggcctgggc totggagget 120  
 ctagaacgga gatcaagtc tggtaattha agagatcaga gccctaaggg aagagagtca 180  
 ngagaagaga ggctaagtc cagggaggcc agagatagga angctggnc ataggaggaa 240  
 cccaaagagt caagt 255  
 Name: T209 Len: 112 Check: 2607  
 acaagctttt tttttttttt tttttttt ttttttatna attnnnttt aatttattta 60  
 aaagcnaaaa ggtaaaggaa gaagagacac aagaggggan agacctgann gt 112  
 Name: T21 Len: 169 Check: 871  
 tatacttgcc ctggcgctcc acgcagtcta cagtcttcat attggaaaag tgcaatttct 60  
 ctagcttgcc tggctggctca aggcctggga cggcggggcc actaggttg gacgggttcg 120  
 ctgtcccgcc cccgggctgt tgcgtgctgt gttgctgctg ctgatgttg 169  
 Name: T210 Len: 255 Check: 7AA  
 acactctagg actacggaac cacttggaac ggcctctgca gaaactcagt ccagtggctt 60  
 tcccgtaaat acattctcaa agcaggagat aaggcggtgc tggaaagtga gacgtggaac 120  
 ctgtgcacag acacagcccc agacacctg gccacaaggg cagaggctcg agtagcagcc 180  
 cgggtgcatg tgggtgatgg tgccttgga gacgtagac agtgaaagtc aggaaaggcc 240  
 tcggnaaccac gtnac 255  
 Name: T211 Len: 255 Check: 5EA  
 accttttaac ttaatgttcc agaccttcat tgggcctgga ggaaacatgc ctggatatct 60  
 gagaccagaa actgcacagg gaattttctt aaatttcaaa cgaacttttg aattcaacca 120  
 agggaagttg ccttttgctg ctgcacagat tggaaactcc tttagaaatg agatctcgcc 180  
 ccggtctgga ctgatccgag tcagggaatt cacaatggca gagatcgagc actttgtaga 240  
 tccactgag aaaga 255  
 Name: T212 Len: 255 Check: 201F  
 acattgaaga gctggccagg ancgctcccc tgcctnccct catcatgaac tgcaggacga 60  
 tcatggagga gatcatggag gtggttgggc tggaggagca ggggcagaat tttgncgggc 120  
 ataccccaaa aggcacagaa gcccagata gggatgaggt atacacaate cccaactctc 180  
 tgaagcgaag tgagtcccca cagctgactc agatgctttg tcattgcatg aacagcctca 240  
 gcagattgcc atcaa 255  
 Name: T213 Len: 255 Check: 25AB  
 accaccttct ccccggtgga gctgacctg ctattgttg cacagacggt agcttctgag 60  
 gcttttgga gcaccgcttc cgggcccctg ccttgtgttt cactgtcttc agctaggccc 120  
 tctctggaag ctgtgggagc agcctctgag gcactagctc ctgatgaagt tccacggata 180  
 ggggcccacca tatgggctgc ctttgccctca gctctattgn cgagttagca actctgagtg 240  
 cctgctttcc catat 255  
 Name: T214 Len: 255 Check: C3D  
 tnaactctnn tttttttttt tgcacntaca cagcgncaac tntattgntc antagnatca 60  
 acnccaaacc tanagntgaa atctcacagt tatttccatg ctgtcnngaa cagnacaaaa 120  
 gntaacngn ngctncatc ngncancaga cctaantttt tacagctaac ttactttnac 180  
 agnnntngat naaatagntn cennntacaa tgnncaaggn ttttagtcnc taaggaaatt 240  
 aaatggnatc ttgaa 255  
 Name: T215 Len: 255 Check: 116  
 acaccacgag agactgctgc ttgtttcgat tottgattt gtggtaaacc tagtaggaat 60  
 atttgctttc aatcatggag gtcacggaca ttctcacgga totggccatg gacacagtca 120  
 ttccctcttt aatgggtgct tagatcacag ccatggccat gaagaccatt gccatagtca 180  
 cggagccaaa catggaggtg cacacagcca tgacctgac catgctcatg gacatgggca 240  
 cttgcattcc cagca 255  
 Name: T216 Len: 255 Check: 1A3F  
 actnttttaa cagcngcccc atcctatccc ngngncgaca gacaaagagg catngcttct 60  
 ggggcccagg ctggctgntg actctcang gctgcatggg ctgacaaatg atagnagggg 120  
 gngtagcttc ccaagtcct tgatcctcat actgncgctt nccaaacgcc ccatcgtaaa 180  
 angcgagtgc gctggatgat accgtattca agatagaaca ggaacctagg aagatccagg 240  
 tgctacactc atcag 255  
 Name: T217 Len: 255 Check: 13D2  
 acacgttgca totcttagct tctctctgaa ccccgtttta cgttcgcggc ggggaaaaca 60  
 gcttgacgag tagactgcag ctctctggag atggcggggc tgtgccttac ggtgaacgcc 120  
 ggaaacccctc cactggaagc totgctggca gtggagcatg tgaaaggtga tgtcagcat 180  
 totgtggaag aagggaagga gaatcttctt cgggtttctg agagtgtggt gttcactgac 240  
 acaaattcaa tctg 255  
 Name: T218 Len: 255 Check: 7E1  
 acaagctttt tttttttttt tttttttttt ttttttttcc tccanattat taatgaattt 60  
 ganaatcatg tanccatatt ccatgaaatg ngattacctg nggtgnagge tgaagcccta 120  
 ctgaggcaaaa caaatgcac acaagataag taaaagcctt atgcanatgn atttctgttc 180

ttacctgcta caatgtagcc tngatgttaa taacagata aataagacag tctnttggat 240  
 ttttotaatt tatag 255

Name: T213 Len: 255 Check: 49D  
 tttcgategg ccgcccgggc aggacctgoc gctgngcana gcanntaang ccgogggtgtt 60  
 tgagaatgct gctgtttgtg atgaaattgc tctctttgag gaaaaattcc ttaaagcaaa 120  
 ggaggaaaga agatacttgc tgaagaagct cctccagatc catgctctaa ctgaagggga 180  
 accacaggct gccgctccct cccacagctc cagtttgccc ctggcttatg gtgtcaccag 240  
 cctgtgtggga accac 255

Name: T22 Len: 222 Check: 2307  
 actcttcanc anaagcctnt ccaaggccat ttgggggact cactctggac actccttttg 60  
 tgaccttaca ggtccctcac ctgctcagct ttccaggat tcagggtctgc tctacatggc 120  
 ccaagagtgt ccagtgcctg gcagagcccg ggcgccaagg ttgccagagg aagggggcag 180  
 cagccgggca gaggactctt cagagggcca tgaggaggaa gt 222

Name: T220 Len: 255 Check: 1157  
 acctttccca tgcctaccag tggaggcatt cagaccagaa aagcaagcca gcaagtaaca 60  
 tctttaaggt tagagaaagc cagttgtgct gctgcatacc ctgagacaaa gagcctcctt 120  
 tgccagatag agagcctgag acaccaggcc actctccaca aactagatac atttaaaagt 180  
 tacttggtca accagggtgtg gtagtgcctg ctttagttct agtgcttgga ctggcagctc 240  
 gagaccagca tgcac 255

Name: T221 Len: 255 Check: 1CF5  
 acccatgtag aaagggctaa acttcccttt gctgaagaga agaaggttat acagagacat 60  
 caatgcccaa gtccctcacct tcacaatcac atcctagaga acgataagtc agaacagaat 120  
 tgctctggcc aggggtatttt tatgttgaca aaatatgttt gcaatatattg aatctccaga 180  
 ttgggaatct ccaggctgaa attgtttgtg tcagaatttt tattttaattg tttcaagaat 240  
 gaggtagtct acatt 255

Name: T222 Len: 255 Check: A3A  
 acctttccag agctgcctta cagaaaggag atggtgagag ctgatctgat taataagaaa 60  
 gttggaatca aagagactcc tgcaaatctt gccaaactcc tgaccaggat gtgtctgaag 120  
 tcagaagtca taggtgatgg caatcagatt gaggttgaaa tccctccgac cagagccgat 180  
 gtcctccatg cgtgtgacat tgtggaggac gcagctattg cttatgggtta taacaacatt 240  
 cagatgactc tcccg 255

Name: T223 Len: 255 Check: 1A34  
 acagacctaa ggccaagtaa aaggattgcc agcaaaaaag tttacaggtt agaatcagga 60  
 aaagcaggct gcttctctcc caaagtcact cgtaaagaaa aggtccgaag atctctccgt 120  
 ctgaaattta gtctgaggaa gaacggagat tcaaatggat gttctgtcat caatagacat 180  
 gaaaatgttg gtcgacgact agcgaatcag cagaatctaa aaaataggat tgagtctgta 240  
 aaaacgggtc tgctt 255

Name: T224 Len: 255 Check: 57B  
 actagacaaa gaagactgat atttactata aagaaaatcc caaccttctg tgctctgggc 60  
 cccaacagca aacacggcca aggtcacatc aataggggag ctcatgtttc cattggatgc 120  
 ctccactctt ctgaaatagc gctctgccct ctgcacgcag agctgatacc tgtgcacaca 180  
 tgctaggagt aagagctggc tcttgagcat cctctctgag acagagcctt catctgtcca 240  
 ggtctgctta ttaat 255

Name: T225 Len: 222 Check: EE6  
 actngntaca gttcagtggt gtggngggtt ggttttccct agcgtttana atagccatca 60  
 ttgtcttgca ataggcagag ctatcacgtc caggaaaaat gaggggaacc agaggcagcg 120  
 ngagatccaa atacagnatt caaaggtaat tggncagtg gtgctggng agggaggaagg 180  
 ggatgatact ccaggngtag ccatcttccct tgggggtgt gt 222

Name: T226 Len: 255 Check: 16F2  
 atggccaggc ttggctccag gtaggatgga ttctactgga agcgggagct tgctccctct 60  
 gggactctga atgggttat agtcaagacc tttaatcatg ctaagagcca gctccagttt 120  
 gtgggttacac aaaagctgtg gagtctgttc ctccagaatag tagtcacact ttacaagtcc 180  
 tttcgaactt ctctccgttt cctcatcttt ctgttggtga ggactagcct ggacactagc 240  
 atccagagat tccac 255

Name: T227 Len: 255 Check: 2528  
 accttatttg gatattctcc agaaggaata ccgctctatc acttcatggg tgatgctttt 60  
 cagcacagct ctcatcggt cctagggtt attaaggact cactgaaaca gattcttgag 120  
 gagagtgact ctaggcagat cttttacttc ttgtgcttga atctgtctt cactttgtg 180  
 gagttgttct atggagtgt caccaacagt ctgggctga tctcagacgg attccacatg 240  
 ctcttgact gctcc 255

Name: T228 Len: 255 Check: 1D3C  
 actccataat ggatgtgagc cagagtgaag gcagcagtga gtgtgtaaaag gagaacactc 60  
 tcaaggccggg aggttggtgt gccacagatc acagtggcca cgaccaagaa gagaggaagc 120

agcaaccagt tcaaaagtgg gcaccgtgtg ctgctcattt ggcaaacgat tagctgacat 180  
 gtgatattgg caaaagctgt tccgaccatg aagtagaata ttctagggtg cattttctaa 240  
 atatctgaag ctgac 255

Name: T229 Len: 255 Check: 1BDA  
 ngnaccngan acactggggag aagacacata tatggtaaa cnggcacton gagctggcta 60  
 cconacaata ganctgaagc acaggcanto catatgggtg cccctatccg nggaacttna 120  
 ttaggancta gngcctnana anctgctncc acagattnca nanagggtcc agctgaggnc 180  
 agngaaacac aaggcanggg ccttgaagcg gngctgncaa aagcctonga agctaccgtc 240  
 tgnnccnact atagc 255

Name: T232 Len: 255 Check: 86D  
 acaaacccag cctcaaaagg caaaggatga caaagcccag gaagcctcag tgtttgaatt 60  
 tgtttccgca actccccctg tagttgtttc taagagggtt aaaacagctt caagaacatc 120  
 tgcaaaaaag catcccaaga aatctgtagc taagatcaac cgggaggga atttcaggcc 180  
 agaaacaagg gatagtagat ttgattccaa agaaaagctg aaggaagaga aggttgcctc 240  
 ctttagccaa acact 255

Name: T230 Len: 153 Check: 301  
 acctaccagg tgaaaccttt gtccctgggca atagcctgac gaggccttg gagacacact 60  
 cagacctgat ggactctgoc ttgaagcctg ccaacctcgt cagcacgtcc cagacctcc 120  
 ggactcctgg ctatcggccc ttgcttccc cct 153

Name: T231 Len: 134 Check: 1631  
 acaggccctg cccagtgttt gtccctgaac cccccacctc catagctgnt aatggctgaa 60  
 tgaggaaagt tctggaatat gatgctaaa taatgcatta tatccagtg tgatgtgtgc 120  
 tttggctcgt tagt 134

Name: T232 Len: 255 Check: 250F  
 ttggcttcca tgttttggga aatttgagag aggaatggag ttcttactgg aatgtggcct 60  
 atcgtggct gacagatctg aaatggaatg tctccaatgg cagtgtctcc cttctgccc 120  
 cctttggagc aagccagtga gcagctgccc tgccggctgt ggggggtggc acctcaggca 180  
 gccatcttgg ccagctgctg ttctagcttt gaaatgcgt cgtcttgatt gcagattgtg 240  
 tcccttatgg atttg 255

Name: T233 Len: 209 Check: 244D  
 actcacagaa ctgggagata agcaggctgt ggnatccctc tgggtgtgagc aggcctccta 60  
 ccaactgccc aaagagctgt cgggggaaga ggtagtggct ttcccactgg ggcttctcca 120  
 ggggtttcgc tccctncagc tgcacgaact tcatgagcgt ctcgagggcc agttccttga 180  
 cctggaagga gggatgggtc aggagttcc 209

Name: T234 Len: 46 Check: 12EE  
 gcaggtggcg cgggtgcccgt ctgagcggcg gaaaccgaga gaggcg 46

Name: T235 Len: 255 Check: 206E  
 accccatgag gattgatgag agcatacacc tccagctgcg ggagaaatat ggcgacaaga 60  
 tgetgcgcat gcagaaggcg gaccccagg totatgagga acttttcagc tatgcctgcc 120  
 ccaagtctct gtgcctgtg gtgcctaact acgacaacgt gcatacctaac taccacaaag 180  
 agcccttccc gcagcagctg aaggtgtttt ctgatgaagt gcagcagcag gccagctct 240  
 ccaccatccg cagct 255

Name: T236 Len: 255 Check: 94F  
 acgactgttg ggtaggggca aaatgacacc aaattccagc cccctgagct gtaatttctg 60  
 gggtttgaat tcaacttga agggacactg tattcaaaact cagctcaagg cactgtgttg 120  
 acgagctgta gccagaactg tcaatactat cttctaactt acccctggcc agaaggtttc 180  
 tacagacagt gattctaggg tgagaactgt cttagtgtgt gcagtatccc gcataaaaga 240  
 acaaagctgt catca 255

Name: T237 Len: 255 Check: 228D  
 acagaggcag tggaaagatg tgggtgaacg ggcgtgccc aaagagggtg aagaagtgtg 60  
 tgtgcagatc tccaacgatt atgaagccaa aactgtctat ttatctttag ctttggaaaa 120  
 tgcaaaagct gagattcaaa gaatgcatca agaaaaagac catttcgaag actccatgaa 180  
 gaaagcattc atgaggggag tgtgtgcatt aaatctggaa gccatgacca tatttcagaa 240  
 caaaaatgac gcagg 255

Name: T238 Len: 255 Check: 16DE  
 acagaaagtg cgtgtggtta tgggcataga caaagaagtc atgcctact tgggtgtcca 60  
 gcacgcgatg gctgttcttg aagtaattta acacactcat aatgggtcag ttcttgtgtg 120  
 atggagagag gggggccaca cagatgtccc gaagtgtcac ggtttcattg ttataggacg 180  
 cagtgaract ttcaatggcg atctgttaagt ccagaacctg gtgcagaatc totttgttca 240  
 atggaggccc gaagg 255

Name: T239 Len: 255 Check: 2536  
 acaaggcctg cttcttccga gtgtcatcgt cctgaggtaa ggaggagcca agcttttcca 60  
 tgtattcaat tccataggag tttctgtagt ccagctctgg ctggcaagaa tctttcttgg 120

gtttttgccc cctaggggtca gtattctcca agggcaaggtg tgggtctggc tggccactga 180  
 gttgcttacc ctccgagggg gaattgaatt tgggtctcatt taaaaagtta gataggtctg 240  
 agggctgccc gaaat  
 Name: T24 Len: 255 Check: 21ED  
 actatggggg tnnangacat ttaaggggnn canntcttga ntttccaatt gnnacaggttn 60  
 ncagratatta tncagattat tancnnttgn taccgnnacn ngattncctn cnangtttat 120  
 natcgacgnt gtccnngtgg tnnntnchnan gcnghntttn ngtnnnactnt ntggnnccgac 180  
 tactacagga tccgaacctnt gntaccncta cctggagtgga acannnccat anctctaacc 240  
 tgtgttgaaa tggcg 255  
 Name: T240 Len: 255 Check: 11A5  
 accttgnntt gatcattttcc acagcacatt tctctctcag aaacgcgaaa aacacaagcg 60  
 tgtgggttct gcatTTTTTaa ggataagaga gagaaagagg ttgggtatag taggacaggt 120  
 tgtcagaaga gatgctgcta tggcaccgag gggccgggtt caoctgctat tgtcgacgco 180  
 tcttccagt ccactgcctt tatgtccctt cctctctctt gttttaactg ttacacatac 240  
 agtaatacct gaata 255  
 Name: T241 Len: 255 Check: C48  
 acataaaaagg accccatata tcatgtctgg aaaaataggac attcagaatg cacacacttc 60  
 tgttttttct cttatgtgat aggtagattc ttaatgttaa gcatttttat tttgtgattt 120  
 actccatttg taacttaata gtcttggatt taaattttaca atttgccttg tttgggtatt 180  
 tgttttaatt tggaaaggat aattggaagt taactgaaat aatggaagtt gaatttatac 240  
 tctgcatttt tatat 255  
 Name: T242 Len: 238 Check: 1CD3  
 actactaaga aatgggacaa gtcaactgagg acttcagcgg ctgggggtccc catcccagat 60  
 aagtccaccc cccacaccca ccacacacca cacacacagg gatgctctgg gaagcccgtc 120  
 tctgcaccaa ggacctatccc tagaccata agaagggcag tteccactgg agctgcctga 180  
 gtagggacca ggaaacccca cttagtgtnc ctgcccgggc ggccgctcga aagccgaa 238  
 Name: T243 Len: 255 Check: 1640  
 tactcgcgca gtmatgtgtc ttctccttct acacactggg agtcatgtct ggagctgcag 60  
 aagaagtggc tacaggagca gaggtggyac atccgcyggc ggcatgtgt agagcagctt 120  
 tggagtcccc tagaaaatag catcatcnnc gagccttnat cctnctngt tgggtggacc 180  
 caattgatcc caagactctg gcctttaacc ctaagaagaa gaattatgag cggcttcaga 240  
 aagctctgga tagtg 255  
 Name: T244 Len: 255 Check: 44F  
 acacctaggg cagctcgagg caagcgatct ttaacaagat ctccctccagc catccgtagc 60  
 ggtctgcato tggtagtagt tctgatogct cactgtctgc cactcttcca gcaacaagga 120  
 atcattctgg atctcggaca cctcctgtag cacttagtag ctctagaatg agctgtttta 180  
 gtctgcttag catgtcacca actcctcttg accgatgtag atcacctgga atgctagaac 240  
 ccttgggaag tgcta 255  
 Name: T245 Len: 254 Check: 26C2  
 accaccatac ttctgggctc tctctgcttt gtccctttca atttctcttc gaaccctttg 60  
 tctggcagca gctcttcagc cttctccctc ctgcgckact cagcagcccg gegtatctca 120  
 tcttctgtga gttctgtcg tgcagctgac agctcttgcc cttgtctctt cctgtcttc 180  
 tctcgttcta aagctctctg ctctctctt tcttcacgtt cccgtctgtt ctgcgcacaa 240  
 agttccaama ttct 254  
 Name: T246 Len: 254 Check: 874  
 taccaggatg taaacattat tggtttttga ttcacagtct tggaaaggatg gectgtcttt 60  
 aggtccagaa ctccagcmat ggcnnnaac tcttccagyc cttctaagcc aggagtctca 120  
 gggctgtccg gaggcagctc tgtcaatgga ggctgcctct gectgttaca cactgctcca 180  
 cgaattagtg aggtcttctg taccacctca gcttctcttc cagccagcac tgtccacacg 240  
 aggaacccaa aact 254  
 Name: T247 Len: 255 Check: DC4  
 acatatctct atattattat atatcaactt acatatatac atatatatttt mgggggtgggtg 60  
 ggaaatgggt gtggctacct ccacctgctt tcmcggtgma camgctgaa gggctgctta 120  
 gggcttgata cagggtcatt gtgagaagtg tgcaccatga ctcaggactc aacctggcat 180  
 gcagccaccc aggeccatcc cacacatgta tgtgacatgt agacagacac ctgcccattg 240  
 ctacacgcta ccttg 255  
 Name: T248 Len: 255 Check: 1F92  
 tacgcagggc ccgctatctt ggcagctgct tcagcagctg ctgcctccac cttacttgn 60  
 accacggcg mcaacmcyse mycgennan nccccannng ccacargygc tccaggcaca 120  
 gctgcaagtc ctctcctgag cccgtaagaa agggacccac agtaaaactga ccagctgca 180  
 tgggtggccc aggcactctg gggctgatgg tctagtata agataaggct gctcagacg 240  
 tcttggccaa cccaa 255  
 Name: T249 Len: 254 Check: FA1



cacatgasgc catgagcadc tcagggtccc tccctggaatt cccctcatctt cactgtgtcg 60  
 taaaaaaamrc agawgarawt gcaannnngc nccccacccn nccccnnnaa aagagttgccc 120  
 cgcattggccg tctctctctc cgaataggcc agaattggtcc ttaaggactt tctcaggtgc 130  
 tccctcattga agtctgggagc tttgcoctacc aaggatggcca gtgcccattgt taccctgcac 240  
 tttactcttg caaa 254

Name: T25 Len: 255 Check: C40  
 accctcagct agagcacang gccctctgccc ctgcgtctctg aggacaagtt cattgtcttc 60  
 cagcgtctgccc ctccagagct tccctctgctg tcaggaagcc cgtagctctg 120  
 cttttctctca tttttagctc aggaagatg tcagggtcaa accactcttc aggttaattgg 180  
 accctgtccg ttgctctgtg caactgctag cagtatttta agggagaaga taaggcaggg 240  
 agagagttagg aggtta 255

Name: T250 Len: 255 Check: 198C  
 accaggaccc tgcgtcagtt tcccttctca cgaattttac tataatttat gttaagatgg 60  
 gctatcctcg ccggccagkg gnnaaacaat gngagcggg cccctacgct tcttactgcc 120  
 atgggaaggga aacctcagcc acagcaggac agcttaattgc atcttttaac accaactctt 180  
 tttcacatga aataccccgc tgaatcatcc aaatcagctt ctccatttaa tcttgcctgag 240  
 aaaccaaaga ctgtg 255

Name: T251 Len: 255 Check: 4CD  
 tacacctagg gcagctcgag gcaagckate ttttaacaaga tctctctccag ccctccgtag 60  
 cggctctgcat ctggaagtag tctcgatcgc tcacgtctctg ccactctctc agcaacaagg 120  
 aatcattctg gatctcggac acctcctgta gcaacttagta gctctagaat gagctgtttt 180  
 agtctctcta gcatgtcacc aactcctctt gaccgatgta gatcacctgg aatgctagaa 240  
 ccccttggaag gtgct 255

Name: T252 Len: 255 Check: 845  
 acctcttgccc ttatcagcct gccatggcca atcccacagg gaacssgagg gaaggaggat 60  
 gttggctgas aaasmagaga gatasamaca gaagaggggg agtgaatgga cccagtgggc 120  
 tgtcttattt caaagtgggt gtgtatgatt ctatctactac atctatatag agatattaag 180  
 gccctctgag ttaaagaaac tsyctctate cctgtctgtt cactcatgtt tgaaaaaatt 240  
 gttccatgct aacat 255

Name: T253 Len: 220 Check: 990  
 actgtccaca caccctggawg acctgctggcg ccagaaacac gamaagazaa ctgagaagat 60  
 cctgagagag ttcctumstt hcmatnanga ccagtatggg gtctccctct tcaacagcat 120  
 ggcctatgag attgagggca ccngcctcc gcagcchnh tgcctctggcg caaggtgccc 180  
 ctggatgaac gcatcatctt ctccgggaac cttttccagt 220

Name: T26 Len: 255 Check: 249E  
 acctgaaccg gaagcactgc ataccctcac gctcatgacc acacctctc tgaactcttt 60  
 tactcogagt ctgggtttta cctwtcttag cacaccagag cctgtttctt cagcccatcg 120  
 aaagagttag agcagcagtg gtgacctctc ctccgacccc ctaggttctc ccacactctt 180  
 ggctttgtga ggcacccagc cacacctctt gcagggtgta cccgttctca tctctttctc 240  
 ctgttcatcc agcag 255

Name: T27 Len: 255 Check: 2554  
 acaaatttag ccacctggcc ccccgggagc ggcagacaat gttcgagctc tcaaagatgt 60  
 tccctgctctg ccttaactac tggaaagctgg agacctctg tcaattccgg cagcgatccc 120  
 ggtctgagga tgttgctaac tataaggctca attataccag atggctctgt tactgcccag 180  
 tgcctcagag ctgcgacagc ctcccccgat atgagaccac ccatgtgttt ggcggaagcc 240  
 ttctgctgct cattt 255

Name: T28 Len: 255 Check: 101C  
 ancnngncc ngnccgacgn accnctttac agannngnnc annantatna nncacantgn 60  
 tactactctg ngnnggctn annnatcag gaacnccag gagcnnaang anaanaaggt 120  
 ntagangcta caaaaannnta cagnantgg anenaaggt aangncaacn tggangcctc 180  
 nannnctctc atgnnctgg acatctcngc tanngacttg ataaacatcg agagcttctt 240  
 cagtogagan gtgtc 255

Name: T29 Len: 85 Check: 25D  
 tctgaatgtt gttatatgac attctagtcc tcattctcac agcttgttca accactctt 60  
 gagggctttt ttgacatctt gtggg 95

Name: T3 Len: 255 Check: 17F9  
 ctatctgttt ctatgatttc ccagatttcc tgggaggatt tacttctgta ctgttatttc 60  
 tttttctctg ctgtaggtcg aggggaagat ttctactctt ttttgatgtt aggtttctct 120  
 gagcccttgg tggctgctt atgctctgct gagggcatgc tggtagccat gtccacaggg 180  
 gtctcacttt ctatcttcag gccctccgcg ggtctctcag cagctgactt ctgagttttt 240  
 ttgggttgggt ttttg 255

Name: T30 Len: 255 Check: 6D7  
 acctgcgcac aaggccgagt gattcggaga tgaatatgac cctgaagcgc ctaatcactg 60

ggcttggggg gggccgagaa gctgctaggg cctgctacag tctggcgcta gcacagctgt 120  
 tgcagtcctt tgaagacatc cagttgtgtg acatccctggg acagatacca gaaaaatacc 180  
 atctacaagc aatgaacaag ggcattggatg aaacctatct tttttgcaa cctgtttgaa 240  
 ggcttggccc ttttt 255

Name: T31 Len: 255 Check: CAS  
 acttgccgtt nccgcnntgc aggttgaacc anggttaggc gaaggcagcc acatgcccga 60  
 gcagagccctc gatgaatggg tggaaactcat cctgcccaga ggtggggaaa ctgangctca 120  
 ggctgtccca catagatggg gaaaccaaag cctggataga cctcccactg atggagagga 180  
 gggtcaggaa atgaaagccc tggatagctt actaggactt ccaaggagat gaccggggcc 240  
 aagctgagga cctta 255

Name: T32 Len: 255 Check: 22F3  
 accttcagac tagttggtta tacagctttt cttcttagat aagggttctt ggtttttgtt 60  
 tgtttctctt atactatttt gtgtttttgc attctgcacc attttaceaa ttaaaatgtg 120  
 ttttctgggt tttttttttt tttacaagct aagaacctag aatagagctg tctgccgcag 180  
 cctcctaata caaaagtta caattgttaa agccacagta tctttttaat tgctaataat 240  
 caacctttct tcccc 255

Name: T33 Len: 253 Check: 24A0  
 acttaagat tcagggatct gaaagattaa nagannaaac anacctggag tattatcaat 60  
 agtcttcant nttaaagtatg anttggatga atnaaanaat tggttcttaa anggtntgnn 120  
 gnatgaaatc tgtgncngta gtaanacant ntcnntggnn tatacttttt ttgnttnatt 180  
 tctgaggtaa gaatgttnnga gacaaaactn tggggcatta gattctagta ttaaaacaag 240  
 tccaatgtgn acc 253

Name: T34 Len: 255 Check: 1A69  
 acctanagag aacagccgcc ccattgggaga gcagattcag gaggctgagt ctgagcatgg 60  
 ttttgaacca gactttttac acaatcccca gatgcagatc tcttggttag gccacgccga 120  
 agttagaaga ctgaatctg gaaggacacg aacaggaatg aactacatga aagtggagagc 180  
 tggagtaagg catgctgttc ggggtctaat ggaggaagat gctgagccca tctttgaaga 240  
 tgtgatgatg tcatc 255

Name: T35 Len: 255 Check: 23D0  
 ttcggcttag cgtgggtcgcg gccgaggtac ttctgcaggg cttttagtgc ctccacagat 60  
 gtgacatcca acttgtgctt tgtctttggg ttaggtgggt caaatggaca cgtgagaatt 120  
 gcaatcttag cttcaacac ttctttcgcc atctgtgggt gactgaagtc cttatcaacg 180  
 atcacacctt ttataagttt ggtgtctctc agccgcccac ctactttgcc ttccactttg 240  
 atgagttcaa agtca 255

Name: T36 Len: 243 Check: 1CC4  
 acacacgaac tgcttcttta taaattatga actggagctc ctgatcacgg cggggccggg 60  
 gaggaccagt cctagggctt tgcctctctg aagaacacct ttaggttaatt tttaaaaact 120  
 ttagcatcag gctgctgaag tgcttgacag aactcctgaa ttatttctgg agcgacttgc 180  
 aaggagggca ggtattcttg ctgaagatac tgaacacatt cggggccccc tttgagatga 240  
 att 243

Name: T37 Len: 255 Check: 103E  
 ttcggcttag cgggggtcgcg gccgaggtac ttcatgggga tgttgaaaga tgaatgggct 60  
 tgcagtgaat ggggcagtta aacataccgg catTTTTTgg acttgcatat ttagctgggt 120  
 ggaacagagt tgtttctctc ctgaatttca aagataagac tgctgcagtc gcatcacaat 180  
 attcagtggg gaaatcttga ttgttactgt cattcccatc cttttctgtt agaattcagaa 240  
 taaagtgtga tttca 255

Name: T38 Len: 255 Check: 2311  
 acctttgagat cttcgtcaaa gagcagagcg aggtgggagc catggggagcc cttctctctt 60  
 gagcctcgtg tgccctgttg ccaggggtgag ggcacaggct ccagaactgc cccggaaggg 120  
 tgctcttact gctggagcat gctactgtgg catagggact ttaatttttt ttttttaatt 180  
 tcatatcttt tcatccact gtgtaaagtg ctaggaaatt tccaatttga agttttgctt 240  
 tttctgacat tggca 255

Name: T39 Len: 127 Check: CE4  
 actctatgcc tttgangtch ntactnaca gaggnccaca ccccgantgc naggaacagt 60  
 tcttngngnc cngatggac attcancttg tnnctganc aagatcatat nocncaaaaa 120  
 ngtacct 127

Name: T4 Len: 255 Check: 1E0E  
 acctttgccc gactcgaggg ctgagggact gagggaaaac aaaactccac tccctatccc 60  
 cgccctccga tttggwtcc acacattggg tcccttgaa gctgcttgct ttgctaagtt 120  
 tgggcatgta agaccttaag ggggtgggtg tggcawgmmt gcccatgttt ctaggcagtt 180  
 ttagcttgct tcttcacata gatgagagcc tactgtctgt cagtgaaaar agtgggtgctc 240  
 cagggatag gtgct 255

Name: T40 Len: 255 Check: 23B

acttggttga caaggctcat caagaagcgg cctactgtgt tgtcagcaga cactttccca 60  
 gacagcacat cctcagcata ctgcaatata gtgcttagag catcctggat ccgggctgag 120  
 gcccctccca cttgctgtaa gtcacttgag agtccaatca ccgggttggg gctaaaaacat 180  
 gtcttcata tggagtcac tccaatgcgc tcagtgtcat aatacgcata cttcactgtg 240  
 agaggggtga acatc 255

Name: T41 Len: 255 Check: 19F3  
 tgagcaccct gaagggtgaag ggtctagttt tgggcccatt tcacaagaac cagaaggatg 60  
 aagtcfaatga aaccgacttg aaacagattg atcccgattt angctcccag gaagatttta 120  
 aagaccttct acaaagngcc aagaaaaaga gcattcacat cattttggac ctcactccca 180  
 actataaggg ccagaatgca tggttcctcc ctcctcaggc tgacattgta gccacaaaa 240  
 tgaaggaggc totga 255

Name: T42 Len: 255 Check: 1B8C  
 actgggataa agaagttctg cgagccaaga aggacagctc ggaagccttc cttaacgaag 60  
 gcaatcgtga agtgcttactg gaaatcttac ctgattttgg gaatttttac gttaattgag 120  
 gagaccacc gagtagttca gcccatattt ttagggaata ttattgatta ttttgagaag 180  
 tatgactctg acgaactcggc cgttttgac acagctttag gctacgcggc ggtgctgtcg 240  
 ctgtgcacgc tcac 255

Name: T43 Len: 124 Check: 20A1  
 tcattgccat atacagaagc acagtcaatg tggcggttag ctacgctaag ggcatattta 60  
 atagctactt tcacttgacc aggtcactc ttcctatgtc ccagaccaat cagaggcacc 120  
 ttct 124

Name: T44 Len: 255 Check: 2014  
 acttgcccag aatgtcggga ccaccacga tctgtctgac atttgtctga agagggccac 60  
 agtccagggt gctcagcatg tgttcagca cgttctgctt cagggaaggc agccagtcac 120  
 caaccagaag agctctggac gatgtctgat cttttcttct ttgaatgta tgagacttcc 180  
 attcatgaaa aaatttaaca ttgaagaatt tgagtttagt cagtcttacc tgtttttttg 240  
 ggacaaggte gaacg 255

Name: T45 Len: 255 Check: 16FC  
 acatggctgg aattgatggg gagaaggaac acgctaagc cctgaagatc ctgctggaga 60  
 tgggcgagtt cttccagatc caggacgact accttgatct ctttgagac ccagtggtga 120  
 ccggaagggt cggcactgac atccaggaca acaaatgcag ctggctgggtg gttcaagtgt 180  
 ctgctacgag ccactcctca gcaagcgcca gatcttagag gagaattatg ggcagaaagg 240  
 accacaaaa agtga 255

Name: T46 Len: 255 Check: 11C0  
 acttcatata tttaaaactg gaatgaggcc aaagcaagaa aaacacaaag aacacaggct 60  
 gtttaattaaa aaaaaaatca agaattgtaa ctagtgnaaa tattatcaca tgaaaaacca 120  
 ccccgattta acaaaaacaac cttatgatta gacacttaag acctcgattt tttgottaac 180  
 tagaaattta caccaccana agttcctgat taaaatacag aaatctataa agctggcgca 240  
 ggacgtaaac ttgat 255

Name: T47 Len: 127 Check: 6E7  
 acaatcagag ttogtagaag taatgaacga aatctgggoc aacgacaaaa tcaggagcgc 60  
 cgtccttact tgcacaaagc ctggctgctt tgttgaggtt gctgacatca acatgctggc 120  
 ctcttct 127

Name: T48 Len: 205 Check: 95C  
 acaaagtggg ggaacttttc ttctatctca cgatgggatt ttctccagcc ttggtggtga 60  
 catcaatgaa taacactgac ggacttcaag agcttgcttg tgggggcttg atctactgcc 120  
 tgggagtcgt gttcctcaag agcgatggca tcattccatt cgtccatgcc atctggcacc 180  
 tgttcgtggc cacagccgnc gccgt 205

Name: T49 Len: 255 Check: 4E4  
 ttttttttt ttttttttt ttttttttt taaaaagaaa tttttgctt tattagaatg 60  
 gcattaggcc ttaaatatgc caattttggg aatcacatta ttgttttaac aagaaacgac 120  
 totacagaat tgcaatactg gtccaacagt cttgtctttc ttttaaagca agaaacagaa 180  
 tgtaagtaac cagaaagcag ggcaggcacc agctaaccac ggagactagc ttcttagatc 240  
 caagcgtttg cagag 255

Name: T5 Len: 255 Check: 25B0  
 acaagctttt ttttttttt ttttttttt ttttttttt ggaaganaat tttattagct 60  
 tcacgagaaa gagctggcac gagcaagac ctgcttgagg ataggactgt ggtggcttcc 120  
 aacaaaaac gtatagtant ccacctgntc cctncacatc tgtggaaaga gtctaagcgt 180  
 gacaccaaag aacacattac tgggttgccc tctgggnatg acacagactt gggcaaaagca 240  
 acccttgctg gacat 255

Name: T50 Len: 166 Check: 12C8  
 acctctttcc agatggngtg ctcttgatgg tggatgagat cttggagcct nctttctggt 60  
 cccacagact tttcttctc atgtctccag ctactatata ctggcangag gngncttgg 120

aagcatactg antnigcacc tatnctgtct cccanagagt cttgnn 166  
 Name: T51 Len: 255 Check: FE7  
 acctggttaca cactctcttt atagactccc ttntgctgga aaatttccac atgcttttga 60  
 gagattcccc aaaggggtgac gctattttatc tttagtaago tattttatct tgtttttgaa 120  
 atatcaaaacc ctggagggtcc ttttttcagt atgacttttt ttattttgtt ttttttttat 180  
 tttgtttttt aggttacttt gtcagaagca taacagggta taagtgtatt cataataaat 240  
 acctgtccat ctcca 255  
 Name: T52 Len: 255 Check: 6B  
 acatcttttag ttttacaatg cagattaaca gaatacagga attccagcat caaccaagtt 60  
 tttttttaca tctttcttgc agttacagat actatttaac aagattccaa tttctaagaa 120  
 aaacttagtc acaatgctat ttgactctcc tctaggtctc aaggctgaaa atgtttctcaa 180  
 ttgcctttta acaataacaa ggctcttatt ctgaaatata gcaataccag cctataccga 240  
 acagtgtatc tacaa 255  
 Name: T53 Len: 255 Check: 23D4  
 acgaattttgg tcccagatgg tgaccatcca tgcatacata gcagccactg tgaggtgtgc 60  
 tgtgggctga ggcctgggtct ttctgacttt ggggactgcc acatctgggc tttctctct 120  
 atgattnttt ggggttgntt ttgtagcngn tcatttgggt caagtttaca ctaccgagat 180  
 gattattttt tgacaaaaca gggtagcacn agagcaggag atgggttgngg ccggacagtc 240  
 cggctctgag nggga 255  
 Name: T54 Len: 255 Check: 18A6  
 acaagctttt nttnnttttt tttttttttt ttccaggtt ttaaaacttt atttgcatat 60  
 taataaaatt gggcattcca ataattaaaa tcgnttgaac aaaaaaaat ggnactntga 120  
 ttaaacngca ttttatatcc tgcaagacat nttattttta ctctnaatto caccatntcc 180  
 caaccagntt tttcttnac caacatgcaa gtctttttcc ctntctgcca nccaggccag 240  
 naggtgggag gcana 255  
 Name: T55 Len: 255 Check: F10  
 acaattttga tttccacat tgtggccttt taaacaccta aaatatttaa taaaaagaga 60  
 atttctccat ctctgtgtcc tctatcagtg tgcacagtc cgagtaatga cccaacataa 120  
 aaattaagcc aaatgtaaag ccagccacac tttcctcaga acagtggta tccccctcc 180  
 ttagtgcctg acatcttctt agtgtttgtg agaaaatagg tttaaatctg aatattcaca 240  
 gtgaaaagct gaaat 255  
 Name: T56 Len: 255 Check: 113D  
 acgtcttctt ttggctcttt aaagaaatgg ctgcatcgat cttctggagc gtttcaggga 60  
 ggccagagat gtgaatgctt ttaggataac ctgctagctc ttcatgacct cggatagccc 120  
 agatctgatt tcccttaaga atgaaaacag tgtctctgtt agtaacttca tatgcagcat 180  
 ccatgttgga tggaagagac ggccaaaatg aagagatcaa ataaaagcca ggctcagggg 240  
 tcttgagaga ttttc 255  
 Name: T57 Len: 241 Check: 9CF  
 actaatctct tcagcatgtg ccatnccccca gctgtctcca cacacccctcc ttctccctag 60  
 ctctaagctc atcagttctg agttcacctg agctccttta tttaaaatgc agtccagggtg 120  
 agatggcaaa tcaagtttgt cagaacaaat ttaccaccac cttcccaagg gaatttcata 180  
 actcagaata ctacacaggaa cctagacatg catgnttcaa tattatttaa tgaccgactg 240  
 t 241  
 Name: T58 Len: 255 Check: 529  
 cggactaagt agctggcgaa gcanctacat gcanctgacc agnacncttc taagtgcacn 60  
 ganctgtctc ccaaatagggt gaaggagatg naacagttcg tgaanaanta tgatanogna 120  
 gctntgngcg tntgcnacgn gaaccttgcn ttcgagatga atgettaagg tgacaaggag 180  
 cncaacctg ccggagacan aaacnccccca gcnacngtgg gttncaagga caantctgna 240  
 naagccaaga anacc 255  
 Name: T59 Len: 252 Check: 1323  
 acaagtttaa ggcattcaaaa tgactaatta tagacgataa taacagtctg gatccatgga 60  
 ggcaactgga ggcgttttaa ttggaaataa gcatttgaga taatgttaat agcagtgcag 120  
 aaaaatgaag ttaaaaaaaa aatcagttgt aagaagcctt ccgtcctgca ccttgccttt 180  
 aatcatctcc tccacagaga atgagcagaa ccttctctgta gtctccagaa gtgtgcctct 240  
 tgataaaaaga gt 252  
 Name: T60 Len: 255 Check: 1779  
 actgtaagcg agagtcogct gctgtctctg ccaggcagcg ttctgtgaag gctctcagag 60  
 acgctcgtct ttgcacagct ctgactccgt gtcaggctca ggtccctggga gagtgaaggg 120  
 gtggacactc ggggggtggg ggcttgcaaa gaacacaggt atttccagat agtgtcagct 180  
 tatttgaaaa ttaattttct ttgttaaaaa taactatttt aacctttgag tggctctctt 240  
 ttaaaccaaa aaact 255  
 Name: T60 Len: 242 Check: 158C  
 accagcgctt agggggtaga ctatgaggag cgagtgtctg cgtccattgn taatgagggtg 60

ctcaagagng tgggtggccaa gttcaacgco tgcagatca ttaccagcg ggctcaggtg 120  
 notctgttg tccgaagaga gctgacagag cgtgccaagg acttcagcct catactggac 180  
 gatgtagcta tcacagagct aagcttcanc cgagagtacc tggccggnon ggccgctcga 240  
 aa 242

Name: T61 Len: 255 Check: 1C6F  
 cggcgatatz tggcgcaagt tgtgttgatg cgggccaata tccaggctgt gtccctcaag 60  
 atacaaactc taaaatccaa caactcaatg gcacaagcca tgaagggtgt tactaaggcc 120  
 atgggcacca tgaacagaca gctgaaatta ccccagatcc agaagatcat gatggagttt 180  
 gaacggcagg cagagatcat ggacatgaag gaagaaatga tgaatgatgc cattgatgat 240  
 gcaatgggtg atgag 255

Name: T62 Len: 255 Check: 705  
 accttacaga tgacgagact totgctcagg ttctcttgac tgaagggtcat aagtttgacc 60  
 gggatgtgga actcctgatt tactaccgtg aagtgcacag cccagtgta gctgtggaga 120  
 agggaatgca ggacaagaag cgagatagtt tgatgggagc tcttctgca atgggtgagct 180  
 tctaccaga catcccagaa gtgaacgcct caaaggcttg tggagaattt gtgtttctaa 240  
 tggaccgctc aggaa 255

Name: T63 Len: 183 Check: 61A  
 ttccgctttc gagcgccgc cggggcaggt acacctcgtt ggtgtgaagg aaaagagaga 60  
 tctgtccgg cgggtaaacc aggagcagta ggcgctgcag gaaccgaggt aggaaggag 120  
 tgggctgctc cacaaacacg ggcagaagca cccggggggg aggctgacc cccgggagag 180  
 gcc 183

Name: T64 Len: 183 Check: 20D3  
 accatgttgc atgtggcttc ctctggatat atctaagccc ttctgcacat ctacacttan 60  
 atggagntgg tcaaaaggaa catctgggtt atgccttttt tacagttagct ttaggaaccg 120  
 tcggcatgtt gctgttgaag tgtggagttg tgagccgttg actgtggaca gtcnacagcg 180  
 ngt 183

Name: T65 Len: 255 Check: 1711  
 acaaacctga gaacttcaact cagcagagag ataaaggcgt aacacaaccg cccacccaag 60  
 gtaatgggtg acagcaaggc tggaaatctc atcctgcaag caagaagagg gggactgcaa 120  
 agtggagtct gtgggtaacc ttantctctc ctctgctactg aattcataaa gnaagaggcc 180  
 ttacaaata acccacacc tttaatttct tactacataa taggattata aggcacacaga 240  
 attcctttgg ggaaa 255

Name: T66 Len: 245 Check: 2607  
 tacttncaga caaacccata cttcacaaac atgggtgatcg tcaaggagtt ccagcgcaac 60  
 cgctcaggtc ggttgggtgc tcattctacc ccaatacgtt ggcctcgggg acaggaaccc 120  
 caggtctgca atcgcaggag ccacgacacc agagaaagct tcttcaactg gtttccaac 180  
 cacagcctnc cagaagctga cagaattgct gagattatca agaatgacct gtgggttaac 240  
 ccagt 245

Name: T67 Len: 166 Check: 1820  
 acagcgcccg gcagagacgg cgctgaacc gaggcctgcg gaggaagcag cactcactgc 60  
 tcaagcgctt gaggaaggcc aagaaggagg cgccaccat ggagaagccg gaggtcgtga 120  
 agaccacct tagggacatg atcattctgc ccgagatggt cggcag 166

Name: T68 Len: 194 Check: 2479  
 aaaaaaaaaa aaaaaaaaaa aaaaaaagct tgtacacggc caggtgtcct tctctgactc 60  
 tgtggatgga ggcntaaag gaggatccgc caccaacccc accactgnan ccacaaaaag 120  
 cggggttga gtcataatca tcttgnctc tccggtcagt gacgcctcgc ccccgcccg 180  
 acgtgcaagn ccgc 194

Name: T69 Len: 239 Check: 1C69  
 acggccgcaa atacatccag acagacagcg gccctactg tgttccctgc taacacaaca 60  
 ccttcgcca cactgtgccc gagtgcacgc agctcatcg cgcgattca agggaaactgt 120  
 tttatgagga tgcacacttc cagcagggct gcttccgctg ctgcccgtgc cagcgctccc 180  
 tgcggatga gcccttcacc tgtcaggaca gtgagcttct ctgtaatgag tgcactgt 239

Name: T7 Len: 219 Check: 348  
 gtacaagctt tttttttttt tttttttttt ttttttagga aagcagagat ccactgagtt 60  
 tattttctca acggtttctg cagtgacct agngaagaac ccacagcagc tgggccccag 120  
 ggnacaaagg gatgtgcgc tggacatcaa aagngacag actgaaatga gcaggactga 180  
 gctgctggt tggnetntnc acaccagcg ncttnacct 219

Name: T70 Len: 255 Check: 118A  
 ttccgctttc gagcgccgc cggggcaggt acgttccat tatgcatca ttgggttttt 60  
 gaaaatgagt gacaccctag ccgtttatat ctttgaagaa aaccacgtgg ttcaagagaa 120  
 gatctggtct gtgctcagat ccccaagggg tgtttggatg caagcagaag tcagctttta 180  
 gaagcccatg cccacgaagg tgggtctttat gaggctatgc aaaagctttt gggacgtgg 240  
 actggtagcc ctgga 255

Name: T71 Len: 255 Check: 1207  
 aggtacagag ccaggcagga ctctgagcct crggaattag ggaggtcctg gtgcagaatc 60  
 tgaacaggca gagcagacag cagggcagaa goggcotttg aagaatgatg agctgtgacc 120  
 ccgcgcctcc gctccacttg cctccagccc cttctctac cactctatc tattatacat 180  
 cagggttgga gtggggttg tgctcttagg ggcctcaagt cctctctca gctgggacag 240  
 gagatggctg ctcaa 255

Name: T72 Len: 255 Check: 1027  
 agaggctcag aatcgatcct ataaatgaaa gatcccttat atgcaattat aaagaacact 60  
 gggtttacagt tagaaaatta ggaaaacagt ggtttaactt gaattcttg ttgactggc 120  
 cagagctaat atcagataca tacctcgac tgttcttggc tcagttacag caagaagggt 180  
 attctatatt tgttgtttaag ggtgatctgc cagattgtga agctgaccaa cttttacaga 240  
 tgatcaaggt ccaac 255

Name: T73 Len: 255 Check: 1316  
 taggatgcag aaacggtagg tcgggagaa actggaggct cctcgccaaa tatcacaatc 60  
 atgatctgaa taagtccag caactctgac cgtgggtgtt tccagtcag taggtaaggc 120  
 aggtagattt tccatttg cctccatgc tttctgttt taatagtcac tgaactagta 180  
 ggcttaacaa aacagatagg ggggtctat ggggtatgtt ccaggagcca caggcatatt 240  
 ggaatgttat atata 255

Name: T74 Len: 255 Check: 191  
 acacacacag agggagacag agactcagga aggatggggc tcgggcacac ttgctgctgg 60  
 tgtccactcc tccccctgccc tgctgtctgt tccccacagg agatcttggt tctagcgtga 120  
 ataaagcagg gtggacctgc ccttccctn ccgacttct tccacactgg gttggaaagg 180  
 gctatcatgc ccaagtggga cggaccaagg tggcagatgg gtaggggctg aagagtgggt 240  
 gcacaaatgc tcaca 255

Name: T75 Len: 255 Check: D2A  
 ctccatcctg cgtgtggca aagctctgaa tgagcgcaa gctgaagtga gacttcagtt 60  
 ccgcgatgtg gcaggtgaca tctccacca gcagtgaag cgtaacgagc tggctatccg 120  
 tgtgcagccc aatgaggcgg tatacccaa gatgatgacc aagaagcctg gcattgtctt 180  
 caaccctgag gagtctgagc tggacctaac ctatggcaac agatacaaga atgtgaagct 240  
 cctgatgccc tatga 255

Name: T76 Len: 107 Check: 197E  
 acctgtgccc tgttaaaact tccaaaaa tgatggctcc atcagttcca caggtcataa 60  
 cccatgcatg aggtgcccc ttggccttcg tcccaacaca gacaaag 107

Name: T77 Len: 163 Check: 1460  
 accaagaccc agtctganat aggtggataa gggttatgct ttattgact acatagagag 60  
 tttacgaaat atgcgtgtgc ttgcgtgtgc acataaatag tattagaggc gggaatgaag 120  
 ggcttgatt ttaaaaaaag aaaaaataa agagagcaga att 163

Name: T78 Len: 255 Check: 2688  
 acctccaaaa gaaccatgag gagggaaatg ggagatctgc aaaatgcac agggggggaac 60  
 atcaatgtgg agatgaacgc ggccccgggc ctggatctaa ccgccatgtt gaacaacatg 120  
 agggccgaat atgaagantt ggctgagcag aaccggaaa atgcagaggc cagttttaaa 180  
 gagaagagtg catcgctgca gcaacagatt tcagacgacg caggagcaat cagggcggcc 240  
 agaaacgagc tgatg 255

Name: T79 Len: 255 Check: 89  
 accagatctt accggaggte tcgaggagcc agagaagcaa agagtccacg ggaagcagaa 60  
 tgatttgtca gaccagagca ggtgtcagac ctctgaggaa ggaaacaagg ggtccctgg 120  
 gaggccgttg ccgagacggg ctgttccagg acaaccggcca atggtccgca gacacacagt 180  
 caatgacgca gccatacttc aggtcccaga ggtgactggc cactgacca cccaagaggc 240  
 tgggtgtttct cggtc 255

Name: T8 Len: 255 Check: 12E4  
 acagcagntn aggttaaggca gngaaggga gctggcctct ctcacttaaa caatccagga 60  
 agtccctgac gttgggtgga gccaggttct cagtccact tctacacaag aagagcatca 120  
 tctccttctc atctcatca agagactcct ncactggng aatgaactca gcanacacag 180  
 tgctcagggc catgttcaga accgcagaag ncaggctctg ggccannctc catccgttca 240  
 ncagggtcc ggaa 255

Name: T80 Len: 255 Check: 1960  
 acctcgaaat gctgggcacc acctcgtgcg ggcgaaggag aacctgtgg ataagatctg 60  
 gacagaccgg ccagagcgcc ctgcaagcc cctcctcaca ctgggtctgg attatcaggg 120  
 catctcgtgg aaggaggagg ntgcagaccc tcggatgaaa atggcggaga ggagcatcgt 180  
 gtgggggtgn ggcactggcc taagaccgag aatgcattgg tggtaaaact ccgaggggca 240  
 agaattgtga gcaca 255

Name: T81 Len: 255 Check: 963  
 acaagaggct agggcaactg tgcgacagc cgttccgtgc atgcttctgc ctttgctgaa 60

cctttctggg tcaccataaa agagctcaag gcaaaactgt cacaggga aaaggtgat 120  
 tgggaaagaa gctttgtgct tgggtatctc tttaaaccac cacttggaac aaatgggggc 180  
 ctgtggcctg ggtcctaacc ctggcttaca aacctttgaa gttccagta ccattgagct 240  
 tgaactgtac aatat 255

Name: T82 Len: 255 Check: 553  
 ttcggcttag cgtggctcg ggcgaggtac gagaccccca gacccctata ctgcagacca 60  
 aatccctgc aagggctgtg acctgcaaaa gtgcggcaga gaaggaggcc gaggaacttg 120  
 agzaactgca acaatacaaa ttcaaagcac gggaacttga tcccagaatt tttgaaagt 180  
 gccccatctt gcccagaga ccacctgta agccctctac ccagcctgtt ggttttgatt 240  
 tggaaattga gaaaac 255

Name: T83 Len: 255 Check: 1670  
 acaagctttt tttttttttt tttttttttt tttttttttt tttttttttt 60  
 ttttttaaa ggttcaaaaa aatatatttt tataaaaaaa acaatggaaa aaattttatgc 120  
 tgaaaaaatgc agcaataaat acagttaaag ggaacaggga ctttacagta aaacattggc 180  
 acaaatgaaa tttgaaggca cttccaccan acctacatgt ctggggccat ttttgaatac 240  
 ccccccttaa agcnc 255

Name: T84 Len: 255 Check: 1215  
 actgcattgt gatgnccacc gggggncacc ggacactcct tgnaggagct aggcctctca 60  
 gatcagtgcc agaggctgct cagagaggta agagcaggcc agcaagcttc ctacggcctc 120  
 cactgatggt tccaggtgct catcttgctc ctgaggccca cagagctgca tgaagtctgg 180  
 caaacgcaac aaggattcaa ggggttgcc agagaagcct cggcaagcaa ggtctgtgt 240  
 ggcaatgacc tcttc 255

Name: T85 Len: 255 Check: 203E  
 accagagact tgnctgtat ctgtgggttc taacctgnt tccctactc ctgagccatc 60  
 tgcaagcaaa cttatggttt caactcactc tgaacagggtg tcatctcatg agatgccact 120  
 tccagttaga cttccccctc ctacattgca gtctatggct cctgctgggc ccaccccttc 180  
 tacagtgcct acgcccattgc ctttccctcc gagcttacct cctctgcttc ctcttctgc 240  
 aagtggctct ggtgt 255

Name: T86 Len: 255 Check: 1D97  
 ggcttgctg gctagttcat gttggagagt ccttgatgct cttggtattg tgcaggcgta 60  
 caggaatcac agacagccag gccagctcc tctggttctt acagactttt ctggttggtg 120  
 tagcctctct ctccatcttg tttgcttaca gaccaaagca ccaaaaacat aattaaagga 180  
 gaaagcgggg tttcttttc acttcttcaa gccctcttc agtgggtctt ggtttccagg 240  
 atgatctctc tgtct 255

Name: T87 Len: 197 Check: 68E  
 acatggcaaa acctcaactg gggaacacc tcataggtc agtctgtaga caaggctgtg 60  
 gggaaattgt ttaatgactg agagaagaac tcaagtgtat gtgggtggca ctaccttag 120  
 ataggtgaa aacaggctga gtgagacagt cagcaacact ggttttgctt cagtcccttc 180  
 totggttctt gccttaa 197

Name: T88 Len: 255 Check: 16C2  
 acagctaccc tgcagacacc tctggcctg cggcggagca aggttcatca agaccgacct 60  
 ctcttgagaa gtttacagt cctcacgtct gtgccaggtt tggctctggt gggcagctcc 120  
 tcaaagngat acccaacctg ccttcagaag gacagccgc attgggtgga gatccacagc 180  
 cttagagacc ttgctgcaag cacacacctg agcaggaaga aatgcgctcc tcccaggac 240  
 ctctcggaag agatg 255

Name: T89 Len: 255 Check: 15DC  
 acaagctttt tttttttttt tttttttttt tttctacggt agggctgctg gctcggttac 60  
 atgctcatgt gttccgggag aacataggaa atgtctgccc aggggtgagc atacagccct 120  
 tgcctcagcc tcttctggtc aagatagtgc cagatgaagc ccatactctt tcccagcaca 180  
 aagacgccat tgagggtctc aatgtcaaca taccgcagc cttctctccg ggtgaaggag 240  
 ccacagttcc taagc 255

Name: T9 Len: 255 Check: B94  
 acttgagctt caatccccc cagcctagtc gaggccatga ccgcctggat ttgcctgtga 60  
 ctgttctgtc cctccaccga ccttttgatg accgagagga acaagaactt ggtagccctg 120  
 aggatcgact gcaggacagc agtgacctg atacttgagc tgaggaggaa gtcagtagcc 180  
 ggtgtcccc accccacagt ccacgagact taccocgaat gcaggacatt cccgaagaga 240  
 cagaaagccg agatg 255

Name: T90 Len: 255 Check: 2E2  
 ttcggcttag cgtggctcg ggcgaggtac cctgtattta tatattagaa aagtagaatc 60  
 caccaaatga caagatggaa cagaaacaga gtaaaaaata atcagctggt ttttttttag 120  
 aggtatattgt taactaaaca cttttcaaac taaagctcat tctttaagga cctctggtg 180  
 accatatgaa tgcctgtgta tgggtgtgta tatatttact tatatctga attctactta 240  
 attttggctc tctta 255

Name: T91 Len: 81 Check: 1D  
 cgcataataa cgcagacttg aacccacatt tgcacaaatc cacatttatt cgaacctaac 60  
 agccgaatta cagcttgagg 81

Name: T92 Len: 149 Check: 231F  
 nncaaatcan accacacaga gactacctag gttacctgga aagaactaag tttctatagt 60  
 aataaccaat aagaaatgaa gaccaaccac ccatctataa aacctcact tatcctttga 120  
 atccaaatct gacagcatgg aagatcaga 149

Name: T93 Len: 255 Check: 14F3  
 acgtgatgg agattccatg caccataaaag cagttcagcg cggagaaaaca gtctcccagg 60  
 gaccgaatcg acaaaagaaga aatgggaaaac ggaaagaaaa ctggggcatt tcttttctct 120  
 cgttgcttta atctggacaa aagcctaact cctggcatca ggaatgctact gtgactcaag 180  
 agagaagcta gaactgcact agtcacgaag gtcaagtcca acctctagga ggatggagaa 240  
 cactcttctt gtggc 255

Name: T94 Len: 255 Check: 138B  
 ggataacagc ttcttctact tgaggacacc tgcacaaag aggatctctg gcatacaaaa 60  
 ttcttaacac aatgtctgag gcttcaatca cctttttaag ttcttgacaa tgtaacttct 120  
 ttggattctg ttggcctgat tttagctttct ttattttggg ctcatcagat tccctctgag 180  
 ttccacatt agattgctca tcatcagggc taatttcaag nttctttttt cgttcttggt 240  
 ctttttgctt gtcac 255

Name: T95 Len: 255 Check: 15A9  
 atccagtgcc catggatgog ggtttttggt ttgtttcagg ctgtgagaag ttacacgctg 60  
 gtcagctgac ttttcttttc tgagagaaac acctctcaaa tgccttctctg tgctccctga 120  
 gggcctcctg gctgggttga ggtttctgtt ttactgggtg tctgggctgg ctgggttctct 180  
 gttatcactt gatagaaaga atagaaaatg ttctactctt taccctgcta gcgttgagta 240  
 gtgttaaatc ctata 255

Name: T96 Len: 255 Check: 1353  
 atccgcctaa cggggggccc gcccaaggaa aagaaccgga aaccgggaaa atcctgcaac 60  
 aaagccaaca acaaaaaagg aaggaagggg cggggcagtg ccaagactga tggctgtcag 120  
 ggcaagtga attctagact gagcatggtt tctgggaaca gatgatcttg gatgatcagg 180  
 aatccgagga cctggaccgt ccatcattga gccaccagtt tgctggagca cagacatggg 240  
 tgttctagca ctcc 255

Name: T97 Len: 255 Check: 1390  
 acctcagaga acccaggcca gggcagatca ctgagtgcac cttcctgctt aggcagggct 60  
 gctctcggac ctagtcatgt tatctgatgt caggttgggg ccatagcctt tgtgaacttc 120  
 ttgaccccag agctattttg tgaggtttgt atgagaagtg tggggacaac aacctcaggt 180  
 ttatcagatg tatttagtag tagggcaaga ggaatctcat tcgatttctg ntcccccttt 240  
 cttagttcca tacat 255

Name: T98 Len: 255 Check: 1ECE  
 ttoggtcttc gagcggccgc cggggcaggt actccttaga gccagtgtgt gcagaactca 60  
 aatctctgct gggcaaggat gttctgttct tgaaggattg tgtgggctca gaagttagaga 120  
 atgctctgtc caaccacgag gctgggactg tcatcctctt ggagaacccc ccccttcaag 180  
 gaaaagaaaa aaggaagggg aaagatgctt ctgggaacaa ggttaaagct gagccagcta 240  
 aaattgatgc tttcc 255

Name: T99 Len: 255 Check: 134E  
 accttgcca tcnactcca ggaancngtg ggggaagaac gagaggggcc acaccaaccc 60  
 ngganocctn cggaaacaca ctancagnc aggnctcncc ganacnggag nggocnnnag 120  
 acccaacaan aagangngc anngggngn caaacngcct ngggnnnnng gaggaanga 180  
 agcngnncca anngagngc acaagggngc ggaaagngcc ngncnngang naaaannnag 240  
 gncctgnoan aannn 255



Figur 12

Name: 1 Len: 459 Check: 2459  
 NAAGCCCTTC ATCGATTTAT AGAGCTTTTC AGAGTGATGG TTTCTCGAGC AGAAATTGAC 60  
 ATGTTGGATA TCCGGGCACA CTTCAAGAGA CTCTATGGAA AGTCTCTGTA CTCGTTTCATC 120  
 AAGGGTGACA CATCTGGAGA CTACAGGAAA GTACTGCTTG TTCTCTGTGG AGGAGATGAT 180  
 TAAAAAATAA ATCCCAGAAG GACAGGAGGA TTCTCAACAC TTTGAATTTT TTTAACTTCA 240  
 TTTTCTTACA CTGCTATTAT CATTATCTCA GAATGCTTAT TTCCAATTAA AACGCCTACA 300  
 GCTGCCTCCT AGGAATATAG ACTGTCTGTA TTATTATTCA CCTATNATTA GGTCCATTAT 360  
 GGATGCTTTA AAGCTCTACT TGGCATTTC AAAGCNTATA AGGTTATAAT GGGAGGTTTT 420  
 NAAAGTAGGA NTTAAATATG TATTCCTGT TTTTAAAA 459  
 Name: 10 Len: 227 Check: 147B  
 TTTAAGTGTG TTGCCTGTGA GTGTGACCTC GGAGGCTCTT CCTCAGGAGC TGAAGTCAGG 60  
 ATNAGAAACC ACCCACTGTA CTGCAACGAC TGCTATCTCA GATTCAAATC TGGACGGCCA 120  
 ACCGCCATGT GATGTAAGCC TCCATACGAA AGCACTGTTG CAGATAGAAG AAGAGGTGGT 180  
 TGCTGCTCAT GTAGATCNAT AAATATGTGT NGTATGTCTT TTTNGCT 227  
 Name: 100 Len: 452 Check: 17BA  
 TGTATCTTTG ATGAGGTTAG TTTTGGTATT ACAGCAAAT TTTTTTCTTC TGACAAATCT 60  
 GTGCTGTGTT TATATTAAT AAATCTTTAA AAATACGAAT CCTGAGCTAG AGTAAAAACA 120  
 ACAATTTTGA CTAAAGAATA AATOCCTTCA TTGTTAAACC TAAACAGCTT TAAATTCAG 180  
 CCATGGAACA TAAGATAAGA CTGGAATTCA AACTTCTGAT GTCCATGGCA AACCTGAATA 240  
 CTCTCAGCAG AAATAAACA CACATAGTAG ATAATACACA ATAGTAAAA GCATCAGAAA 300  
 TTGAATGACC TGGATTTTGT TAAATACAAC AAAGGTCAC CAGTCTTCA TGGATAAACC 360  
 TAGCTGGGAG AATAGCACTG AACAGTGTAT TGCATTGAGC AGAAATCCCT CAGAAAGGCA 420  
 ACACTGGATT CATTTTTAGA CAGGCATAGA CT 452  
 Name: 101 Len: 447 Check: 533  
 TTTTTCAATC CTGATAGTTC TTTATTTTTT CAAAATATAT TTGCCATGGG ATGCTAATTT 60  
 GCAATAGGTG TCATAATGAG AATAACCCAA ACTGGATAAA TGTGACAAAT GATTGACAAA 120  
 GCATTTTACA CCCTTCAATT ACACCACATC AAGAATGAGG GGAAAGCGTT GTAAAGTAG 180  
 ACTACTGCAA TGCTACTTAT ATTCTTGCAA TAAAACCAGC AAGCATCCAT ATCAAGAGAG 240  
 TTATCATCTC ACTTCCAAT TTTTCCCTC AAGAACAAT TGAATCTCTT TGGCATCCAA 300  
 AGTCTCATAG GTCAATAAAG CTTCTGCGAG ATTCTTATGC TCCTTTGCAT GAGTTTTCAA 360  
 GATATGTTTT GTCTGTTTAT ATGAGTCACT TAGAAGGATT CTTATTTTCA GTTCGATGGC 420  
 AGATTGGGTT TCTGGACTTA GGTTCCT 447  
 Name: 102 Len: 368 Check: 1FEC  
 TTTTTTCAA AAAAGAAAT CTTTTAATAA AAATTAATCA TAAAAATCCT AATAAATTTT 60  
 AAAGAGCAAG ATATTCCTTA TTACATTTAT AAAAGAACAT TTGGTCCTTT TACAAAAAGA 120  
 TCCCTTTTAA TTTAAATACA TTTCTTATTT ACAGATTAAA CATAAATAT CATCTACAGT 180  
 TGCAAGCAT ATTGCACATT ACAGAGAAGC ATTTGTGTAT TTCCGTAAGT TTTCCAGAG 240  
 TTTCCAACCT TATACTTTTT TTTGTAAAAA GATTTACCTT TCTTATGCAA AATAAATAAA 300  
 AATGCAGCTT GTGTTTTGCT ATTTAAAACT AAAACAAAAT AACCTTTTAA AATATTATTC 360  
 CTCTGCCT 368  
 Name: 103 Len: 685 Check: 1890  
 TGGGATCTTT TTTTATTTTT ATACACATGA CAAGATTTTA CACCAATAGT CAGTTAAATA 60  
 GTACAAATTT ACATTCAGGA GGAATGTTAA AAAAAATTCA ACTAAAAA CCCTTCTTC 120  
 CTGTGACCCA TAATCCCAAC ATTTTACAGT GCAGGGGAGA AGGAGGCTTG GGGAGCATC 180  
 CAAAACAAGT CTCTCAAAG AAATGACTTC AAACTTCAC ATTCCCTCTC CACACGGGAT 240  
 TCATAGCGAG AGTATAATTT ACAATTCATC TTCTCTGTA GATTCCTTTT CTGTTTCTC 300  
 CTCTTCTCT TCTGTCCCTG CATCCATCTC TTCTCCCTCA TCCTGCTCTG AGTCTTCTGC 360  
 GTCTTCTGAG GTGTCTTCAA GGCTCTTCTT CTGGTTCTTC CTCCAATGT GCTTCAGGGG 420  
 CAAAGGTTAA ACTGAGGCGA AGATTCTTTC CAATCGAACT CCATACGCCCT TGGTGTCCGG 480  
 TAGAAGATAA CCTGACCCAA GTGTTGACGG TTTCAAACAA AACTACAGCA AGAACCATGA 540  
 CTGTCTGGC AACTTCAACG TCCTTAAATC GGCGGAAAT GTCTCCGAAC AGGGGGGGGT 600  
 CTGGAATGAG TTCGAACGTT TTCCTTAGAC CGGCATAGTA ATTTGTAGAG AAAGTCCTTG 660  
 CCGGCCGGTA AGGCTGTGGC TTCAA 685  
 Name: 104 Len: 676 Check: EF6  
 GCTCATTTTT AATTTTTATT GATTTTTTAA TGCTGCACAA CACAATATTT ATTTTATTTT 60  
 GAATTTTATT TATTTCTTTA TTTCTGTTGC TGCTTTTTAT TTATTTACTG AAAGTGAGAG 120  
 GGAATTTTGG TGGCCTTTTT TTTCTTTTTT TTTCTGAGGC CGCCTTAAGC TTAATAAATT 180  
 TGGAACTCT AAGCAAGCTG AAGGGAAGAG GGGTTTTTCA GAATCACTGG GGGAAAAAGG 240  
 AAAGGTTGCG GTGTTGATCA TGCCCTATGG TGGGTGACCA ACTGCTTGTA CAATTACGTT 300  
 TCACTCTTAA TTAATTGTGC TTAAGGCTGA ATTAAATTTG GGTGTTCCCT TCTTAGAGCA 360  
 GCTCGTATTG GCGGAGATGC ATGCGCTGGA TGATGTCACG GCAGTCGTTG AAGACACGGC 420  
 GGATGTTCTC AGTGTCCACG GCGCAGGTA AGTGAGGTA GCAGTAGTGG CGCCATCTCC 480  
 ACTAGCAGTG CTGATTCTCA GAACTCATC CCGAATGAAN GTACTTGGCC GGGTCACGGC 540

TGGGTCCTCT CCCGGCTCGG GAGTCGCATC CCTACAGAGT GTGTAGCGAG CGAACTCTGG 600  
 AAAGTAGTCC TCAATCTCGA TTTGCCACCG GGACTTCTCA GCAGCAGGTC TTGCTTGTGT 660  
 AGAAGAGATC ACAAGA 676

Name: 105 Len: 367 Check: 135E  
 GACGGGAACCT GAACGCGGTT CTGGGAGCAG CAAGCCCACG GGTAGCAGCC GAGGCCCCAG 60  
 AATGGCCAAAG TTTCTTTCCC AAGACCAAT TAATGAGTAC AAGGAATGCT TCTCCCTGTA 120  
 TGACAAGCAG CAGAGGGGGA AGATAAAAGC CACCGACCTC ATGCTGGCCA TGAGGTGCCT 180  
 GGGGGCAGCC CGACGCCAGG GGAGGTGCAG CGGCACTGCA GACCCACGGG ATAGACGGAA 240  
 ATGGAGAGCT GGATTTCTCC ACTTTTCTGA CCATTATGCA CATGCAAATA AAACAAGAAG 300  
 ACCCAAAGAA AGAAATTCTT CTAGCCATGT TGATGGTGGA CAAGGAGAAG AAAGGTTACG 360  
 TCATGGC 367

Name: 106 Len: 440 Check: 158A  
 GGTGTGCCTG GATGAGTGGT AGCGTCGGAA ATGAGGAGCA GAGGCGCAAA TTTTGCCOAG 60  
 CGCTCTGTAC CATGGAGAAG TTTGCTTCCT ACTGCCTCAC TGAACCAGGA AGTGGGAGTG 120  
 ATGCTGCCTC TCTTCTGACC TCCGCTAAGA AACAGGGAGA TCATTACATC CTCAATGGCT 180  
 CCAAGGCCTT CATCAGTGGT GCTGGTGAGT CAGACATCTA TGTGGTCATG TGCCGAACAG 240  
 GAGGACCAGG CCCCCAAGGCA TGCTCATGCA TAGTTGTTGA GAAGGGGACC CCTGGCCTCA 300  
 GCTTTGGCAA GAAGGAGAAA AAGGTGGGGT GGAACCTCCA GCCAACACGA GCTGTGATCT 360  
 TCGAAGACTG TGCTGTCCCT GTGGCCAACA GAATTGGGAG CGAGGGGCAG GGCTTCCTCA 420  
 TTGCCGTGAG AGGACTGAAC 440

Name: 107 Len: 442 Check: 19D2  
 GCACACCTGT AGTCCTAGCT ACTCAGGAGG CTGAGGTATG AGAATCGCTT GAACCTGGGA 60  
 GCCGGAGTTA CAGTGAGCCA AGATTGCGCC ACTGCACTCC AGCCTGGGCG ACAGAGCGAG 120  
 ACCCTGTCTC AAAAAAAAAA AAAAAGATGA TGTAACCTC ACAGGGCAAG GTCTTGTGT 180  
 TTGCTCACCT CTGGGTTATG CTCATAAAAC AAGCTTTTGC CCATGTACCC TAAGTCAGAC 240  
 CCAAGAATGG TGTCTACCAA TGATTGTCTC TTGCCACTTA CCGTACGCAT ACAGAAAGTG 300  
 CGTGTGGTAA TCGGCATACA CAAAGAAGTC GTCCCTTTC TTGTGGTCCA GCACGGAATG 360  
 GCTGTCTCTG AAGTAATTTA ACACACTCAA AATGGTNGCG TTCGTGTTAT ACGGTGAAAG 420  
 AGGGGCCAAG CAGATGTCTT GA 442

Name: 108 Len: 453 Check: 6FD  
 GAGACTGCAT AGGGCTCGGC GTGGGGGGTA TTCTACTATT TTGTCACTGC CCTGGGCATA 60  
 ACAGCAGGAG CTCATCGTCT GTGGAGCCAC CGCTCTTACA AAGCTCGGCT GCCCCTACGG 120  
 CTCTTTCTGA TCATTGCCAA CACAATGGCA TTCCAGAATG ATGTCTATGA ATGGGCTCGT 180  
 GACCACCGTG CCCACCACAA GTTTTCAGAA ACACATGCTG ATCCTCATAA TTCCCGACGT 240  
 GGCTTTTTCT TCTCTCACGT GGGTTGGCTG CTTGTGCGCA AACACCCAGC TGTCAAAGAG 300  
 AAGGGGAGTA CGCTAGACTT GTCTGACCTA GAAGCTGAGA AACTGGTGAT GTTCCAGAGG 360  
 AGGTACTACA AACCTGGCTT GCTGATGATG TGCTTCATCC TGCCCACGCT TGTGCCCTGG 420  
 TATTTCTGGG GTGAACTTT TCAAAACAGT GTG 453

Name: 109 Len: 421 Check: 1318  
 TTTTTTTTGT GCAGAAACAT TCTGAACCTA AAAGCGGCCT ATTTTGTGCTT CTGGATATGG 60  
 AACTCCTTGG GGATCAGAAT AGAAAGCTTC TAGCTCAAAA GGCCCCCTTC TCAGAAAGGT 120  
 GAGAACTTTG GAGAAAGGAG CAGCATGGTT TCGACTAAAG ACTTCATGAA CACCTTCAGT 180  
 ATCTTCTGAA TCATGGTTCC AGATCAGAGA TATTGGAATA GGAAGTGCAT CTGTGACGGA 240  
 AAATTCTCTA ACTTTAAATG CCGGGGAAAG TATTGCACAC TGTAATGCAC ATCCTCTGGC 300  
 TACTGCTTCA TCTGCATTGA GTGTTGTGCT AATATCTTTT CCAAAGAATT TGGCAATTCT 360  
 TTCCTTCACA GCTGGAATTC GTGTAGCGCC TCCATCAATC TCTACTGCAC TCACATCTTC 420  
 T 421

Name: 11 Len: 621 Check: 23BA  
 CAGGGAAAAA ATATGTTCTA TNCCCCTGGT AACTGTCTCC TTATCTGCAA ANTGACATCC 60  
 CAACGGATTG CATGCCCTCG GCCTACTGCA AAAGAATCAT CAACCTGGGG CCTGTGCATC 120  
 CCGGACCTCT GAGTCCAGAA CCCCCACCCA TGGGTGTCAG GGTTATCTGT GGACATTGCA 180  
 AGAATACTTT TCTGTGGACA GAGTTCACAG ACCGCACTTT GGCACGTTGT CCTCACTGCA 240  
 GGAAAGTGTC ATCTATTGGG CGCAGATACC CAGCTAAGAG ATGTATCTGC TGCTTCTTGC 300  
 TTGGCTTGCT TTTGGCAGTC ACTGCCACTG GCCTTGCCCT TGNACATGGA AGCATGCACG 360  
 GCGATATGGA GGCATCTATG CAGCCTGGGC ATTTGTCATC CTGTTGGCTG TGCTGTGTTT 420  
 GGGCCGGGCT CTTTAATTGG GCCTGTATGA AGGTCCAGCC AACCTGGTCC AGAAATTCTC 480  
 CTGAAGCCTG ATGACCCACA GANCGGTGCC TTGGCCCCCT CCTGGTNGG ANCAGTTACA 540  
 CTACGAAGGA AGCTGGGGTA GTTAAAGGGT CCGGGGCTTN TAAGAAGAAG CCAAGCAACT 600  
 TGCTTCCTTT CCCTGGGGAA A 621

Name: 110 Len: 309 Check: 1332  
 ATAAGAATGC CTGCTAGCAA GGGTTCCAGC AAGGTGGTTG GTTGGTCTGT AAGTCAGTCT 60  
 TGAGTACTTG AAACAGTTCT GTGTTGTTT TTTTCTTA GCGTTTAGAA TAGCCATCAT 120  
 TGTCTGCAA TAGGCAGAGC TATCACGTCC AGGAAAAATG AGGGAGGGAA CCACAGAGGC 180

3

AGCGTGAGAT CCAAATACAG CATTCAAAGG TAATTGGTCC AGTGGTGCCT GGGGAGGGAG 240  
 GAAGGGTGAT ACTCCAGGGT TAGCCGTCTT CTTTTGGGGG TGTGTACAGC CGTTTTTTTC 300  
 GTGGATCTG 309

Name: 111 Len: 489 Check: 9C2  
 CTAATACTAC TAAATTCGCG GCCGCGTCGA CGAAGAAGCA GGTATTTATT TTAATAAAGG 60  
 AATGGTTGGT ATTCTAGTTA ATCAAGTAAT TCTTTTATTA GCAAGGCAGA AACTAGTGT 120  
 TTTCTATAAA CTGGAATGTT AATTGTACAG GTGTATTTTA CAATTTTGT TTAATTAAAA 180  
 AAATGTTACT ATATTAATAA TCAACCTGGT CAAAACCTTT CAGGTTTCTT CGTTTGAGTC 240  
 AGTCGCCCTG ATTCAAGATG TCACGAGCCT TATGATATCA TGCTGAGGCG CCTTGCAAT 300  
 CCGACAATTA AGATCCTCCT AGACCTTGAG GTGATCAGCA TAAGAGGCCA GATCCCCTCG 360  
 AGTCATCTAC ACCTAGCTTC ACCTTATCTT TTAAGGGGCA GAAAATTGA GACGGTGATC 420  
 GCCGTAACAG TAAATTTGGC TTACAATTGG GGCACCCCTC CGGTTTAGAA AGAGGAACAC 480  
 CAGATTGAC 489

Name: 112 Len: 563 Check: 1430  
 GGACTCAGAA TTGATGAGAG ACATTTACAG CATGCACATT TTCCTTACTG AAAGGAAACT 60  
 CACTGTGGGA GATGTGTATA AGCTGTTGCT ACGATACTAC AATGAAGAAT GCAGAAACTG 120  
 TTCCACCCCT GGACCAGACA TCAAGCTTTA TCCATTCTA TACCATGCTG TCGAGTCCTG 180  
 TGCAGAGACC GCTGACCATT CAGGGCAAAAG GACAGGGACC TGAGGAGCCG AGCGAATAGC 240  
 ATCTCCTCCC ACCTCCCACC AGAGACGTCC TGTTTGAGCT GTCAGGTGTA ATATATGAAT 300  
 TGACTTAAGT TAATATAAAT GTGTACATAA TCCACATTTG TAGTCAAGGA CGCAATCTCT 360  
 TCCACACATG TGCAGTTGTC AGTTGGTACA TCTAAACTCC CTCCATCCTG ACTCACGTGG 420  
 ACTTAGATAT GTTTTGTTC TATTTCTTC TATGTCAGTT TTTTATTCTT TGATGTTTAT 480  
 GTCTTTTGTC CATCAGATCT CTGTGATAT CACATGGAAG GTTGTGCTCA GCCTGTCGGG 540  
 TCTCTTTCTT CCTGCACATA TAT 563

Name: 113 Len: 587 Check: 2109  
 TTTAGCCCTG TGAATTAATC CTCATTGCA CATCAGCTGG ATGAGGAGGA GAGGATGAGA 60  
 ATGGCAGAAG GAGGAGTTAC TAGTGAAGAT TATCGCACGT TTTTACAGCA GCCTTCTGGA 120  
 AATATGGATG ACAGTGGTTT TTTCTCTATT CAGGTTATAA GCAATGCCTT GAAAGTTTGG 180  
 GGTTAGAAC TAATCCTGTT CAACAGTCCA GAGTATCAGA GGCTCAGGAT CGATCCTATA 240  
 AATGAAGAT CATTTATATG CAATTATAAG GAACACTGGT TTACAGTTAG AAAATTAGGA 300  
 AAACAGTGGT TTAACCTGAA TTCTCTCTTG ACGGGTCCAG AATTAATATC AGATACATAT 360  
 CTTGCACCTT TCTTGGCTCA ATTACAACAG GAAGGTTATT CTATATTTGT CGTTAAGGGT 420  
 GATCTGCCAG ATTGCGACGT GACCAACTCC TGCAGATGAT TAGGGTCAAC AGATGCATCG 480  
 ACCAAAACCT ATTGGAGAAG AATTAGCACA ACTAAAAGAG CAAAGAGTCC ATAAGACAGA 540  
 CCTGGAACGA GTGTTAGAAG CACATGATGG CTCAGGAATG TTAGACG 587

Name: 114 Len: 222 Check: 12B6  
 TTTTGAATCA AAATTAACAT CAATATATAG ATTCTAGTAT ATTCTTCTTA AAGCCTTTAG 60  
 AAAAGATAAA ATGACATTTT GCAACATATG CCAAACTTCA TGTTTAGTGT ACACTTCTAA 120  
 TTATTGGCAT AGAGGGATAT AACTGTTAAA TAACCTGAAA TGACACCATG CAATGGTGAA 180  
 ACTACAGAAG TTGGTGAAAA GAAGTATTTA CATAATGTAA TA 222

Name: 115 Len: 512 Check: 1EAB  
 TTTTTCTTGA TATGCATAGC TTTTCGGGGT TGGTATTAGA CATGGCTTTC GTAAATAATG 60  
 CAGGTGTTTT TGTCATGTGT CACTGCTGGC TCTGTGGCTT CCAGGTAAGC TGGCGGCAGT 120  
 ACCTTATCTG GTACCTCAAC AGGTGTTGGC TCTTCAGATG TTAGCTCGGT GGACGTGACA 180  
 TCGGTAGAAG GTTCTGCAGT TTCGGGGGAA TGTTCGCGC ACAGTCTGT CTCTCTACA 240  
 TCTTTGACTT CAAACTGTCC ACCCTCTTGG TCATCTGCAT GCTCTTTTTT GGACTGCCGG 300  
 TGAAGTGACA CCTTGATGGC AATTTGCTGA GGTGCTCGT GCAGCGATGA GGCCTCCGAG 360  
 TCAGCGGCAG GGGAGTCCGT CCGCTTCAGA GAGTTGGGGA TTGTGTAGAC CTCATCCCTG 420  
 TCTGCGGCCT CCTGCCCTCT GGAGTATGCC TCAAAAATTC TGCCCCGGTC CTCCAGCCCA 480  
 ACCACCTCAT AATCTCCTCC ATGATAGTCC CG 512

Name: 116 Len: 566 Check: A72  
 TTTTTTTTTT GTTTTTTAAC CCCCCCGAG AAGCTCTGTC CCCAGCTGAT GCCCATGTTG 60  
 GAAGAGGCTT TGCGGAGAGG AGCCCATACC AGCGCAAAGC TGANCTCCTG GTGCTGGCCG 120  
 TGCTGTCTGA CGGAGCTGGC GACCACATCA GGCAGAGACT GCTGCCCCCA CTGCTGCAGA 180  
 TTGTGTGCAA GGGCCTGGAG GACCCCTCGC AAGTTGTACG CAATGCTGCG CTGTTTGCCC 240  
 TGGGCCACTT CTCAGAAAAC CTACAGCCCC ATATCAGCAG CTATTCAAGG GAGGTAATGC 300  
 CACTGCTCCT CGCCTACTTG AAGTCGGTGC CTCTTGGACA CACACACCAC CTAGCCAAGG 360  
 CCTGCTATGC CCTGGAGAA TTTGTGGAGA ACCTAGGGCC CAAGGTGCAG CCCTACCTTC 420  
 CGGAGCTTAT GGAATGCATG CTGCAGCTTC TGAGGAACCC CAGCAGTCCC CGGGCCAAGG 480  
 AGCTGGCTGT GAGCGCCCTG GGAGCCATG CTACGGCTGC CCAGGCCTCG CTGCTGCCCT 540  
 ACTTCCCTGC CATCATGGAG CACCTG 566

Name: 117 Len: 549 Check: 1602  
 CCCTGTGCAA TGTTTAGCTC TCACCCCACT CCAAGTGCC ATAATTGAAA TAATACTGGT 60

4

TTGGAGAATT AGTACAGATT GGTCATAAAT GCCGCATAAA GTCCGTAGAT CCAGGTAAG 120  
 GTATTTCCAA ATGGCGTAGT AATGCACTGC AGCTGCCGTG GCCACAAACA GGTGCCAGAT 180  
 GGGCTGGGCA AATGGAATGA TGCCATCACT CTTGAAGAAC ACAACTCCCA AGCAATAAAT 240  
 TAAGCCCCCA CAGGCAAGTT COTGAAGTCC ATCGGTGTTG TTCATTGATG TCACCACCAA 300  
 GGCTGGAGAG AATCCCATTG TGAGATAGAA AAAGAGTTCA ACCACCTTAT ATTTTTCATG 360  
 GTAGAGAAAT ACATAAATGG TTCCTCCAGC TGCCATGAGC CAGATAAACC AACGCATATG 420  
 AGATGCCAGG GGTCCAAGTT CACGAAGATT TAACCATGGA GCATAAGAAG CAGCAATGAA 480  
 GAAATAGATA ACCATTCTAT CACACATGTG AAAACAATGC TCCACTGTCC TTAAGTGGCT 540  
 CTTTTTCCA 549

Name: 118 Len: 416 Check: 71A  
 CCGGGGCACA TAAATAGTAT GGCTTAGAAG AAGGCGTGCG TACAGATGTG CAGGAATGCT 60  
 AGGTGTGGTT GGTGATGCC GATTGTAACT ATTATGAGTC CTAGTTGACT TGAAGCGGAG 120  
 AAGGCTACGA TTTTTTTTGA TGTCATTTTG TGTAAGGGCG CAGACTGCTG CGAACAGAGT 180  
 GGTGATAGCG CCTAAGCATA GTGTTAGAGT TTGGATTAGT GGGCTATTTT CTGCTAGGGG 240  
 GTGGAAGCGG ATGASTAAGA AGATTCCCTGC TACAACTATA GTGCTTGAGT GGAGTAGGGC 300  
 TGAGACTGGG GTGGGGCCTT CTATGGCTGA GGGGAGTCAG GGGTGGAGAC CTAATTGGGC 360  
 TGATTTTACT GCTGCTGCTA GGAAGAAGCC CAATAAGTGG GTGAGGCTTG GTTTAG 416

Name: 119 Len: 405 Check: 23A0  
 CCGGCCCTTTA CCTGCGACGA CCTGTTCCGC TTCAACAACA TTAAGTTGGA TCCACTTACA 60  
 GAAACTTATG GGATTCCTTT CTACCTACAA TACCTCGCCC ACTGGCCAGA GTATTTTCA 120  
 GTTGACAGAG CACCTGGTGG AGAATTAATG GGTATATATTA TGGGTAAAGC AGAAGGCTCA 180  
 GTAGCTAGGG AAGAATGGCA CGGGCACGTC ACAGCTCTGT CTGTTGCCCC AGAATTTTCA 240  
 CGCCTTGGTT TGGCTGCTAA ACTTATGGAG TTACTAGAGG AGATTTTCA AAGAAAGGGT 300  
 GGATTTTTTG TGGATCTCTT TGTAAGAGTA TCTAACCAAG TTGCAGTTAA CATGTACAAG 360  
 CAGTTGGGCT ACAGTGTATA TAGGACGGTC ATAGAGTACT ATTCG 405

Name: 12 Len: 409 Check: 8AB  
 CAGACGCTGC CCAAGGCTTT GTGGGCTGCG CACTCAGCTC CACCATCCAG CGCTTCTACA 60  
 AGAACGAGGG AGGTACATGG TCAGTGGAGA AGGTGATCCA GGTGCCCCC AAGAAAGTGA 120  
 AGGGCTGGCT GCTGCCGAAA TGCCAGGCCT GATCACCAGC ATCCTGCTCT CCTGGACGA 180  
 CCGCTTCCCT TACTTCAGCA ACTGGCTGCA TGGGGACCTG AGGCAGTATG ACATCTCTGA 240  
 CCCACAGAGA CCCCGCCTCA CAGGACAGCT CTTCCTCGGA GGCAGCATG TTAAGGGAGG 300  
 CNCTGTGCAA GTGCTGAGGA CGAGGAATA AAGTCCGAGC CAGAGCCCC AGTGGTCAAG 360  
 GGAAAACGGG TGGNIGGAGG CCTCAGATGA TCCAGTCAGC CTGGATGGG 409

Name: 120 Len: 318 Check: 266B  
 CGGACGCAAG TACATCCAGA CAGACAGCGG CCCCTACTGT GTGCCCTGCT ATGACAATAC 60  
 CTTTGCCAA ACCTGTGCTG AGTGCCAGCA GCTTATCGGG CATGACTCGA GGGAGCTGTT 120  
 CTATGAAGAC CGCCATTTCC ACGAGGGCTG CTTCCGCTGC TGCCGCTGCC AGCGCTCACT 180  
 AGCCGATGAA CCCTTCACCT GCCAGGACAG TGAGCTGCTC TGCAATGACT GCTACTGCAG 240  
 TCGCTTTTCC TCGCAGTGCT CCGCTTGTGG GGAGACTGTC ATGCCCTGGT CCCGGAAGC 300  
 TGGAAATATG GAGGGCCA 318

Name: 121 Len: 460 Check: 2526  
 TTTAATCTAA GAATTTCTTT ATTTTATGCA TAATAAAAGG GACTACAAAG AACAGCTGAA 60  
 AAGCCAGAAG ACAAAGGAAC AAAAATAAAC AATGACGTGT ATTCCAACCC AAACAATGAG 120  
 AAATCTATGC AACTAGACTA TCAGTTCAAT CTATTTCCAG GTCGCTATCC TCACTGTGAC 180  
 ACGTGGCAGA GTTACGCACA GATGTCAGCA CCAAGACTTC CTTTTCTGGG AGTAATCCAA 240  
 ATTCCTGGAG AAAAGCTTCA AGGTCCACAG CAAGAGAAATC ATCCCCCAGC TGGTCAGTAA 300  
 CACGAACAAA ATTGCCGATC AATTACCCCC CTTTATAGAT CAGCAGGGCA GGAAGGGCAT 360  
 TCCTGGTGAA CTGACTGCTG GCGCCAATAA CTGAGCTCTT CACCTTGCAG AACTTGACAG 420  
 CTGGGTACTC TGCGGCAAGG CAGATCATGC AACCATTCT 460

Name: 122 Len: 672 Check: 13BD  
 ATAGAGCCTC ACAGCTGCCA GCTGTTCCCG GGCCCGGAAC GTCTGGGTCA GTGAGGTCCC 60  
 ATCTGGCAGC CTGACCTGTA TGCGACACTG GTCATACTCC CGCTTGGTGG GAGGCTCCTG 120  
 GCTGGGAGAA GAGGGAACAG GACCTGGCTC TGGTGCCACT GGGGGTGGCT GAGAGCCCC 180  
 ACTGCCACCA TACTTCTTGG CTCTCTCTGC TTTGTCCCTC TCGATCTTTT CTCTAACTCT 240  
 TTGTCTGGCT GCTAACTCCT CGGCTTTTTC CCTCCGCTC TCCCTCAGCAG CCGGCGCAT 300  
 CTCATCTTCC TGTAGCCGCT GTCGTGCTGC TGACAACCTC TGCCCTTGTC TCCTGCGCTG 360  
 CCGTTCCCCG TTCAATGCCCT CCCGTTCCCTC TCTTTCTTCA CGCTCCCGCT GCTTCTGGGG 420  
 CCACAGCTCC AACATCCCC CTAGTTTGT CCGTCTTTCC TCTTCACTCA AAGNGGGGT 480  
 TGCCCTTCTCC CGCAGCCAGA AACAGATTCT TCAAGGGGCG CTGGTCCCTG AGGAATTGGG 540  
 GTCCCGTCCC AAGATATGTC CAAGGGGAGG TTCAAAAGGG TCTTTCAAAA TCGGGTTGGT 600  
 CTTGGTCTTC AAAAARCCAT TCCATGAAAG CTTGAGTCCC CTGTTCCCTT GAAGGGCAAA 660  
 AACTTTCTCC GG 672

Name: 123 Len: 310 Check: D0

5

GCACGAGAAA TATCTGCCTA AGTGGGACCT GTGAAAACAC GAAAGGCTCA TTTATCTGCC 60  
 ACTGTGATAT GGGCTACTCC GGCAAAAAAG GAAAAACTGG CTGTACAGAC ATCAATGAAT 120  
 GTGAAATTGG AGCACACAAC TGTGGCAAAAC ATGCTGTATG TACCAATACA GCAGGAAGCT 130  
 TCAAATGTAG CTGCAGTCCC GGGTGGATTG GAGATGGCAT TAAGTGCACCT GATCTGGACG 240  
 AATGTTCCAA TGGAACCCAT ATGTSCAGCC AGCATGCAGA CTGCAAGAAT ACCATGGGAT 300  
 CTTACCGCTG 310

Name: 124 Len: 302 Check: 144A  
 GCAGAGCTGG ACOTCCAGAC CCGGATGAGT CTGCGGTCTT TCTGGAGGCC ATCGGGCAGT 60  
 GCACCAGAAC CGATTTCATCC GGCAGAGCGG CANAGCAGCA GCAGCAACAA CAACGGAGTG 120  
 AAGAGCTGCT AGCAGAGAGA AAGCCTGGGC CTCTGGAGGC GGAAGCGGA GACCCAGCCC 180  
 TGGGGAGATG CGGGATCAGA GCCCCAAGGG AAGAGAGTCA AGAGAAGAGA GACTAAGTCC 240  
 GAGGGAGACC AGAGAGAGGA GGCTGGGGAT AGGGGGAGCC CAAGAGTTGA GCCTGAGGCC 300  
 TC 302

Name: 125 Len: 811 Check: 1E83  
 TTTGAGGTTT GTAAGAATTT TTTAAACAAA ACAGAAATCA CAGTGACCAA GGGTAATGCG 60  
 AGTCTGTGTC TTCCTTGCCC ATGCTGCTCC CCACAGCTCT CCGTGGGTAC TAAATGACGC 120  
 GCCACTGCAT GATGCTTGTG TCTTTCCCGC CCGTGGAGAT GAGGTGGCTG TCTTCACAGA 180  
 GGAATCGAC ATTGGTGACA TGGCTGCTGT GCGCGCCGTA GATGTGGCTT GGAGCCCTGA 240  
 ACTGCGAGCA GGGGTATGAG AAGAGGTGCA CTTTGCCAAA GTCGTCCGCT GTTGACAGGA 300  
 GTTCTTCTC ATGGGCCCCG CAGACGGCAT TTATGTTGST TCCGTCCGAG CCTTCTGGGC 360  
 AACTCCAAA AAAATGGAAT CCAAAGTGG AGGTATAGGT AGGCCATTCA ATGTCTCTTG 420  
 TAGTTCCAC ACTTACGACT TGCTTACAGG CAGAGGGAAC CCAGTAGAGG ATTTCTGTAGT 480  
 CTCGGGAATT TGACACGAGG AACTGTGAGT TTACAGACCA GTCCAGGTGA GTAATGAAGC 540  
 TGGAAATGACC CGAGCACTTG CCCACTCGCG TGTACTTCTT CCCGTTTGTA CTAAAGGCAT 600  
 ATATATAGAT GCASTTGTCC TGTGAGCCTA TGGTAAAGAA ATTTCCCATC TGGTGAGTAT 660  
 TGCATTACAG AGAAGCCGAC GGTTCCATCC TGTGTGAAGG GGGACCAAGT CTTTTGTTTT 720  
 TCGTGTTAAA AACPAACCCAC CTCCCAGTTA GTGGTTCCGAC TTCAACCCAC GACCCTTGAG 780  
 GGATGAAACC AAGAGAAGTG GCGGTTTTCT C 811

Name: 126 Len: 456 Check: 11A  
 TTTTTTTTTT TAAATACAA AAAACAGCTT TACTCAGACT TTTTGACTGC CATGTCCTCC 60  
 TTTAGAAGGA CTACAGTTTG GCTACTTGGT CTCTTCTGGG GCAGATGTGG CATCCTGAGG 120  
 TGTGTTAGCT TCTGCCGGTG CAGATACAGC TCCTACCACA GTAGGGGTGG TCTCAGATAA 180  
 AGCAGGGATG GCTTCTGGAG TGGAAAGTGGC TCCTGTCTCA CTGGGGGTGG TGTCAGTTTG 240  
 AAAGGCTGGA GTTTCTTGAC GGCAGCTGGT GTCTGTGGGA CTGGGTATGA TGTCAGCTTG 300  
 AACAGTCATG GCCTCTTCTT CTGTTTCCAA TTCTGTTTCT TGATTTTGAA CTTCTCACC 360  
 CTCTTCTACC ATAGCAGGTG GTAGTTGTAA TAAAGTCTGA TGATAATGAT GTGTAGTCTG 420  
 TATCAAATGC ATGTACATGT TGTATACAAA GTTTGC 456

Name: 127 Len: 292 Check: 281  
 TTCCGACTCT TTTACATGT TTTTCGATG CACTGCCATT TTGGCTGGAC TGGCAGCTTC 60  
 TGTTATTTCA AAATGGAGAG ATAATGATGC TTTCTCCTAT GGGTATGTTA GAGCGGAAGT 120  
 TCTGGCTGGC TTTGTCAATG GCCTATTTTT GATCTTCACT GCTTTTTTTA TTTTCTCAGA 180  
 AGGAGTTGAG AGAGCATTAG CCCCTCCAGA TGTCACCAT GAGAGACTGC TTCTTGTTTC 240  
 CATTCTTGGG GTTGTGGTAA ACCTAATAGG AATATTTGTT TTCAAAAATG GA 292

Name: 128 Len: 433 Check: 51D  
 GTAATTTTCA AGTTATTTTA ATAACCAGGT TTACATTAAC AGTCACGTGA TGAACTTTTT 60  
 TCTTTAATGT CAGCTAAACT CAAAACACAG TTTTGTTTAC GGTTCAAACC APACAGCTCT 120  
 TCACGTTCCA GAGCTGCCCT ACAGCTAGCA CAGNTCAGAG GAGATTACTG TCTGTCCATA 180  
 CCCACCAGAC ACAGAAGTGA ACACCCACAC ACCAGTTTTT AAAGAGGGAA CTTACAATGA 240  
 ATGCTGGCTG CCCAGGGCAC CCATGAGTGT ATCTGGGNCT CAAGCTGGAG TTTTCCAGGG 300  
 GAGAAAGCCT GGGAAAGCTT GTGGCAAGGA AGTTGGGNAT TGCCCCACCT ACTGGGAAAG 360  
 GGGTTTCTCA GGGGTTGAGT GAAAATCCCG GGTTAGNGT CAGCCCTTG TGGGAACAT 420  
 GGGCACTTTC AGT 433

Name: 129 Len: 372 Check: 21BF  
 GATCCAGGAG CCACACAGCT GCCATGGTTC ANAAGGCCCT GGAAACCGAC CCAGGAGATG 60  
 CCGTGGTTGT CNGGCTTTCG GANTTGTGTA TTCTAACTAT NPAGCCATTT GTAAGGTACC 120  
 TCGAAAGGTG GCCAGAAGTA TCTCTGCGG CCCTTCTAGC AGGTGGTCCA CCAGCATTTG 180  
 CACTGAAGAA CCAGCGTTGT CTGAGGTTGG GCCACCCGAC TTAGCAAGCA CAAGGTACC 240  
 CCCAGATGGA GAAAGCATGG AGGAAGAGAC GCCTGGTTCC TCTGTGGGAA TCTTGAGT 300  
 CAAGCTTCCA GGCTAGCCCT CCACAACAGG AAGATGAGGA GACTGAGAGA AGTGCAAGG 360  
 AACTTGAAA GT 372

Name: 13 Len: 439 Check: 1E33  
 TTCGGGTAAA TTGTAATTTT TTTATTGGAA AACAAATATA CAACTTGGAA TGGATTTTGA 60  
 GGCAAATTGT GCCATAAGCA GATTTTAAGT GGCTAAACAA AGTTTAAAAA GCAAGTAACA 120

ATAAAAAGAAA ATGTTTCTGG TACAGGACCA GCAGTACAAA AAAATAGTGT ACGAGTACCT 180  
 GGATAATACA CCCGTTTTGC AATAGTGCAA CTTTTAAGTA CATATTGTTG ACTGTCCATA 240  
 GTCCACGCAG AGTTACAACCT CCACACTTCA ACPACAACAT GCTGACAGTT CCTAAAGAAA 300  
 ACTACTTTAA AAAAGGCATA ACCCAGATGT TCCCTCATTT GACCAACTCC ATCTAAGTTT 360  
 AGATGTGCAG AAGGGCTTAG ATATATCCAG AGTAAGCCAC ATGCAACATG GTTACTTGAT 420  
 CAATTTTCTA AAATAAGGT 439

Name: 130 Len: 528 Check: 1041  
 GAGCGGAGCC GGAGCGGAAG CCGCAGCCGG GCGGCGGGAG CGGCGGGAGC GGGGGAAGCA 60  
 GGGCGGGCCG GGCTCCATGG CGCCAGCGGC GTCCGCCTGA NCAGCGCGGG CAACAGCGGC 120  
 GGCGTGGGCC GGATCGGGCC GCGACACCTC CTGGCCATGG GGGACGTGCT GTCCACGCAC 180  
 CTGGACGACG CCCGGCGCCA GCACATCGCA GAAAAAACCG GGAAGATPCT GACGGAGTTC 240  
 CTCCAGTTCT ATGAAGACCA GTATGGCGTG GCTCTCTTCA ACAGCATGCG CCATGAGATT 300  
 GAGGGCACGG GGCTGCCGCA GGCCAGCTG CTCTGGCGCA AGGTGCCACT GGACGAGCGC 360  
 ATCGTCTTCT CGGGGAACCT CTTCAGCAC CAGGAGGACA GTAAGAAGTG NAGAAACCGC 420  
 TTCAGCCTNT TGCCCCACAA CTACGGGCTG GTGCTCTACN AAAACAAAGC NGGTCTATGA 480  
 GCGGAGGTNC CACCACGAGC CGTCATCAAC AGTGCANGCT ACAAATC 528

Name: 131 Len: 521 Check: 253E  
 AGAGGAAATT GATTAGCTAT GGTGTAAGTT TTCGGGAGAG TCATCTGAAT GTTGTATAT 60  
 CCATAAGCAA TAGCTGCATC TTCTACATA TCACATGCAT GGATAATGTC AGCTCTGGTT 120  
 GGAGGGATTT CAATCTCAAT CTGATTCCCA TCACCTATGA CTTCTGATTT TAAATACATC 180  
 CTGGTCAGAA GTTTGGCAAG AITTTCTGGA GTTTCTCTGA TTCCAACCTT TTTGTAAAT 240  
 AGGTGAGCTC TCACCATCTC CTTTCGGTAA GCTAATTCTG GAAAGGTATG TGATTTTCCA 300  
 TTAGGAAAAA CCACTTCAGC AGCTTCGACC GTAAATTGAT TCTCACAATA TTTACTGAAC 360  
 ATGGTGACAA TAATATCAAG AACTATNTTT GCCTTAGTAA AGTCAGTTCC CGTGCATTCA 420  
 ATAAAAATAT TTCTAGTATN TACTGTTATT CTGGAATGAT CCCCATTGAT GATGGGAGGC 480  
 ATTGAAAAGA CGACACCATT GCTATCATAG ATAAGTGGAT A 521

Name: 132 Len: 429 Check: 19CF  
 GAGGGGGAGA CGGGGAGCAG ATGCCTCAAA GGGGGTCAAA GAGAGGGGAA GGAAATTGCA 60  
 CATAAATAAA CCGGATGAT CCAAATGCAA GGAGTCCTCA GAGCGGAGCG CGGACGGCTT 120  
 TTCCGGAGTC CTGGGTCTGC ATCTGGCGCC TTGGCCCCCTG CTCCTCGCG CTCTCCTCT 180  
 CCTCCTTCTC CTCCTCCTCA CTGCTTGAGC TCCAGGGCCC AGACGTGCTG CGGCCAGCCC 240  
 GTCCGGCCTT TGGTTTTCTT GTCGTTGCTG CTCAGTGTGC TTTTCAAGAT TTCGTTCTGG 300  
 ACAGAGGAAA GGCGAGGGCG AGAAAAGTGG AAAGAGAAAT TCAGAGAGGA TACCTGGTTC 360  
 CACACCAACC CGGAGCTTCC TGCGCCGGAG GAGACAGTGA ACCAGAGAGG AAAGGATACG 420  
 ATGGGGGAG 429

Name: 133 Len: 442 Check: 5E9  
 TCAACAATA ACTTGGTATT TTATACTTCT CTATACTTTG TAGCAAATCT TTTTTTGCTG 60  
 AATTTAATTT ATAATAAACT TTTTAAATTA CATCTCTCTC TCTTTTTTTT TTAAATCAA 120  
 GGCTCTTTTA TGTCAAAATC TTTTTTTAGC TATATTTTAG ATTAACATTT AACATCCCCC 180  
 CCTTGTGATC TATACCGTTG GATATTCAGG TATTACTGTG TGTGTAACAG CTAAACAAG 240  
 AGGGAGGAGG GAAAATAAAG GCAGTGAAC TGGACGGATG CATCAACAAC AGCAGATAAA 300  
 GCTAACCCTC CAGTGACCAT AGCAGCATGT CTTCTGGAAG CCTTTACTCT TACCCAGAG 360  
 ATTCTCTCAG CCCCCTTCCCT CTCTCCCTCC TATCCTCCAA ACACAAAGCC AACAGTCTGT 420  
 CCTTTCGCTT TTCTTGAGGA GA 442

Name: 134 Len: 913 Check: F1E  
 TTTTTTTCGA TTCCCTCTCA TTTATTCCTT GTGGAAAAAG AAAAACACAA ATCTTAAAAA 60  
 CTAAAGCAAG TCAGGGGAAGC CTGGAAAGAT ACCCAGATTT GATAACATGT TAGAAGGAAA 120  
 TCCAGGCTAA GGAATCTCAT TTTCTAGCTT TGATCTGGTT GTCAGTTGGG ATGGACTTGC 180  
 CCAAGTGATG GCCCACAGAA AGGCCAAATT TCTTGTTTTT CTCTCATCC TGTACCTCTT 240  
 TTTTCATTAA GAATCCTGCC TGGAAGTTTA GGTCAAAGAG GCTGCTTGGG GCAAAATACA 300  
 GTGGTGTCTC ATTCCCNAA ATATTTTTCC TTCCCCCCCC CAGGCGTTTC TTCATCCTTC 360  
 AGGATTTGAA TTCGGGCGTC TGCTGGAGTG GCCCAATGCT ATATGTCAGT TGAGGTTCTA 420  
 AGACTTGGAA GCCACAGAAA TGCAGAATGC CACTCTGAAT TGGCCAGAGA ATGACATTCA 480  
 TGTCCCCGTG GATCCCTTGC AGAGAGTACA TGGAGCCACT GCCACCAGTG GTGATGGAAA 540  
 GCACTGCCTT CTTACTCCGG AAGGGTCCTT TGTCATACAT GGCAGCGTAA GTGTAAGCAA 600  
 ACTCTTCTAT GAACACTCGC TCAAACCAGC CTTTCAGAAT GGCAGGGACT CCCAAACCAC 660  
 TGCAGGGGGG ACTGGGATAT CACAAAGGTC TGGCGCTTTC CAGCTTCTTT TTGGTCAGCC 720  
 ACAAATATCT GGGCTCAGAT GGGCTTCTT TATTAAGCAG AACAAGATTC GCAGGATACT 780  
 GGAAAGTCCC AGGGTCCTTT CAGTTTACTT GGAAGGGCCT TTTGGGAAAG AAGGGATGGA 840  
 AATTATGGGA TAAAGGGGCC GATTCCACAA CTTCTTCTT TTTTTTTAAA GCCGGTGGGC 900  
 AAGCTCCTTA TGG 913

Name: 135 Len: 750 Check: 1FCD  
 TTTTTTTTTT TTGTCATTCA TAGTAAAGT TTATTGAACA GAAACCCAG CAAAGTTTTT 60

7

CACCTCCGCA AAGTTCCCT TAGTTTAAAG TAAAGCACTG CATTTTAAAA AGCAATTATA 120  
 CATAAGTCTT TCCTAGAAAA GTCCTGCTAA AACATGTCTA GCAATTTTCAI TGATTATATA 130  
 AAGTAGTACA CTTAGTGTA TTTAAACATT CCAACAGGAA TCAAATCGTA CCAGCAGAAC 240  
 CACTTCTGCA TCTATGACTT CTATGTACAA ACACACATGC AGACACACAC ATTTGGAAAA 300  
 GTTCCTCAAG CATAGACATG CAACACCTAA GGCCTTCTAC GTACAGTGCT TATTAACTIA 360  
 CATAGAGTAT ATATTAAAGC TCTTCAGAAT AAAGACATGA GAAGCCTTGG GCATTNTTTG 420  
 TTCACCAATT TGTATCACGG CTTCACGTTT CTGCTTTTGC TTGCTCACA AAGCATATCA 480  
 TCATCCACAC TGTTTTTTTAA AACTCATCA TTGCCATGTC CAGGAGAGGC AATCTAGCTG 540  
 GAGTCAGGTG ATCCAGTCCA TTCCTGTCAA AGCCTCCAAC AGCTACAGCA CAAACACCAT 600  
 CAGTNTGCCA TGGCTGGGGG GCCTTCTGGA AGAAGAGAGG CAAAGAAAGT CTTGAAGACA 660  
 AGCCATGCTG TGCTCATAAA GGAGGGGCTG GTCTGCTCGC CATCTAGTAC ATCCCTGTCT 720  
 TGGAGGGAGG TGGGTGGGG TTTCCATTC 750

Name: 136 Len: 348 Check: B6B  
 AAAACGACGG CCAGTGAATT GTAATACGAC TCACTATAGG GCGAATTGGG CCTCTAGAT 60  
 GCATGCTCGA GCGGCCGCCA GTGTGATGGA TATCTGCAGA ATTCGGCTTT TGACACCAGA 120  
 CCAACTGGTA ATGGTAGCCA CTGGCGCTCA GCTGGAATTC CGGCTGGGAC TACCGGGTCT 180  
 CACTCCAGAA GAGGCTTCTT CAGAGCATGG TAGTCTTGGG GTTCTAAGAG AATGAGAGTA 240  
 GAAGCTGCAA AACCTCTGA AACTGGGGCT TGGGAGTCAC ACATGACTTT CTCCACATTC 300  
 TGTTCTGCAA AAGCGAATCA TAAGGACAGC ACAGACTCAA GGGATAAG 348

Name: 137 Len: 505 Check: 1021  
 AAACGACGGC CAGTGAATTG TAATACGACT CACTATAGGG CGAATTGGGC CCTCTAGATG 60  
 CATGCTCGAG CGGCCGCCAG TGTGATGGAT ATCTGCAGAA TTCGGCTTTT KACACCAGAC 120  
 CCAACTGGTAA TGGTAGCGAC CGGTTCTCAG CTGGAATTC GGATTGGTCC AATTGGGTAT 180  
 GAGGAGTTCA GTTATATGTT TGGGATTTTT TAGGTAGTGG GTGTTGAGCT TGAACGCTTT 240  
 CTTAATTGGT GGCTGCTTTT AGGCTACTA TGGGTGTTAA ATTTTTTACT CTCTCTACAA 300  
 GGTTTTTCC TAGTGTCCAA AGAGCTGTTT CTCTCTTGA CTAACAGTTA AATTTACAAG 360  
 GGGATTTAGA GGGTTCTGTG GGGCAAATTT AAAGTTGAAC TAAGATTCTA TCTTGGACAA 420  
 CCAGCTATCA CCAGGCTCGG TAGGTTTGTG GCCTCTWCCT ATAAATCTTC CCACATTTTT 480  
 TBTACATAGA CGGGTGTCT CTTTT 505

Name: 138 Len: 513 Check: 117D  
 AGGGCCGAGT GGAGGTGCTG GTGGAGAGAA ACGGGTCCCT TGTGTGGGGG ATGGTGTGTG 60  
 GCCAARCTG GGGCATCGTG GAGGCCATGG TGGTCTGCCG CCAGCTGGGC CTGGGATTCC 120  
 CCAGCAACGC CTTCCAGGAG ACCTGGTATT GGCACGGAGA TGTCAACAGC AACAAAGTGG 180  
 TCATGAGTGG AGTGAAGTGC TCGGGAACGG AGCTGTCCCT GGCGCACTGC CGCCACGACG 240  
 GGGAGGACGT GGCCTGCCCC CAGGGCGGAG TGCAGTACGG GGCCGGAGTT GCCTGCTCAG 300  
 AAACCGCCCC TGACCTGGTC CTCAATGCCG AGATGGTGCA GCAGACCACC TACCTGGAGG 360  
 ACCGGCCCAT GTTCTGTCTG CASTGTGCCA TGGAGGAGAA CTGCCTCTCG GCCTCAGCCG 420  
 CGCAGACTGA CCCCACCACG GGCTACCGCC GGCTCCTGCG CTTCTCTCTC CAGATCCACA 480  
 ACAATGGCCA GTCCGACTTC CGGCCAAGA ACG 513

Name: 139 Len: 340 Check: E2C  
 TTTTTTTTTT TTTTGAAT GAGTAAATTT ATAGCTTTAT TTGCATACAG AAAAGTGCAT 60  
 GAGAAAATAA GTATGTACAA AACAGTTGTG TGGCTGATCA TGACTTTCAA AAATTCACAT 120  
 ACCTAGAAAT AGTTACCTCC AGTTTAGCAC ATTTAGGTAT TTGGACATTT AAAGTACTAT 180  
 TTCAAGTCTG TGTTTATAGT GACTGAGTAG GAAGCTGATA GAAAATTATG CCATATATGA 240  
 TCAACTATTA CCATTAAACA TAAAACCACA GGACTTTCTA CTTGGGGCTA ATCAATAGAG 300  
 GGTCTATGTG CCCCTGTCTT GTTTAGCTTC TGAGCATCAC 340

Name: 14 Len: 486 Check: 1FA  
 GCTAGGAAGA TAGTTGTTAC ATACTGAAGT AGGTTATTAA ATAAAGTAAT GAAATATCTT 60  
 TGAACATAA TATAAATAGG ACAGGCTTAT ATTCTAATA GTTTGCGGTG TTTTCAGCTA 120  
 ACTCTATCAC ACCTAACCAT CTGTGTAAGA CTTGATGCAT TTTATATCAT TTTAGGCTG 180  
 GGCTAGGAAA CAACAAAATC ACAGATATCG AAAATGGGAG TCTTGCTAAC ATACCAGTG 240  
 TGAGAGAAAT ACATTTGGAA AACATAAAC TAAAAAAAAT CCCTTCAGGA TTACCAGAGT 300  
 TGAATACCT CCAGGTAAAA CATTCTACTT GTGTTGAGTA GNTATTGGGT ATTTTTCTT 360  
 CAGGTTTTTA ATACACACT TTAGGCACAC CTCAGCAAAA GGACCAAGTA AGGCAGCAAG 420  
 GGGTGGATTG AAACATAATG ACTCTCCAGG TTGCATGAGG TGTTTTAAGA AGTAGGAGAG 480  
 CTTTAN 486

Name: 140 Len: 334 Check: 1A0F  
 GGCCTTTTGG TTCCAGAAAA ATAGAGGGGA TCTCTGTGGA GCCTCTTTGG TTTTTCATCA 60  
 ATTCTGGGGC TATTAAAACT AGCCATTCAI CTAACGAGGG CCAAAGCAAT TCCAGAGGCT 120  
 TGAACACCTG GCTTTTTGGA GTTTTATTCC CATTGTAGCC CATATCAATT CCATTACTGG 180  
 GGGAGGATGG ACCAATTCGA AAGACGTGAC AAAACATTCT CACAATCCTT AAAAGGCTCT 240  
 TCATTTGAGC ATCATAATTG CTAGAGAGGC TAAGCAGTTT ATGACCATTG GTTCTAGCAA 300  
 CTTACAGCAAG GCTTGTTAGA ATCTTAGGT ACTG 334

Name: 141 Len: 497 Check: 1A2F  
 TTTAAGGTTA CACGATTATT TATTGAGAGC CTCCTCTCCC CGCCCTTGCA ATCTCTAGGT 60  
 CACTTTCTCC GCTGTAGAT TTTGCGCGCA AGCCCCAGAA AGACGGCTGG GGGCAGGGGT 120  
 GCTGCGTACT GTTCAATGAG AGCCATAATG TGGCTGTAAC TGTCTTCCCTC ATATTGCAAG 130  
 AACACTGCTG GCAGATCCAG CTCCTCATAT AGCGCCTTCA CCGGGGCCAC TTTCTCAGCC 240  
 TCCTTCTGCC CGTAATTTTC CTTCAGGATC TGGTACTGTT CTGGAGTGGC CCGTTGCAGA 300  
 CACTGAACCA CCAGCCAGCT GCATTTGTTG TCCTGGATGT CAGTGCCAAT TTTGCCGGTC 360  
 ACACTGGGGT CCCCCAAGAG GTCAAGGTAA TCATCCTGAA TCTGAAAGAA CTCCCCCATC 420  
 TCCAGCAGGA TCTTCTTGGC ATTGGCGTGC TCCTTCTCGC CATCAATTCC TGCCATGTAC 480  
 ATGGCTGCAG CTATAGG 497

Name: 142 Len: 353 Check: 1801  
 TTTTTTTTTT TTTTAGAGAT TGTGTGACT TTTATTCAAT TTGAAATCCG GATTAAATA 60  
 AAAGCAGTGA GAGCAAAGCT TTACAAATAT TACATTACTA CGTCATTGAT ATGGCTTTTA 120  
 CACTGATTGG ATACAGGAAA AAAAAAACC TAACATTAGA ATTAAGGCAG TAACACATG 180  
 TGCAAACCCA GCACACCCCC TGACAGTCTT CAGTAGAAAA CTACTCTGGT CAGGTGGTAT 240  
 CTGACATTGG TGCATGCAGG TCTCATTGCA TGGAAGGATA GGTCTCTGAAG AGCTTCATTC 300  
 CTTAAAGGGG AAAAGGACCC TTCTCACTGG CCAACGATGG CCAGGAGCAG CTT 353

Name: 143 Len: 559 Check: 225B  
 ATGCTTCACA CTTGGTTTGC TTATATTGAT CATTAAAAA GAGATATTAA TCTTACCTAT 60  
 TGCCATGAAT ATTTCAATTA CATTCAATGA TGTTTTAGCG GATGCTCCA TGAATAATA 120  
 ACTATTGTCA TCTGCATAGG ACTGTGCTTC CTGGAAATCT ACTGCTCTTT TATTGTGTAG 180  
 GTCGGCCTTG TTTCCCGATA AAGCTATTAC AATGTTAGGA CTTGCTTGCC TCTGAAGTTC 240  
 TTTAACCCTAA TTTTTTGCTC TTGCAAAGGA CTCCTCAATTT GTGATATCAT ATACAATAT 300  
 GGCTGCTTGT GCTCCTCTGT AGTACATTGG TGCTAGGCTA TGGTATCGTT CTTGACCAGC 360  
 TGTATCCCAT ATTTCAAACT TTACTGTAGT GTCATCAAGA CATACAGTTT GGGTTAGAAA 420  
 AGCAGCCCCA ATGGTACTCT CTTGAAATCA TGACATTGGC TTTACAAAA CAAGCACTAG 480  
 GCTTGATTIG CAACAGCGGA CTCTCCCGA GTACTAGTTT GAACTGCATA TNEATTTCCA 540  
 GTATTGGCCC CGTGGGTCT 559

Name: 144 Len: 572 Check: D1C  
 TTTTTTTTCC TTTTAAATGC TTCTTTTATT TCATTGGTIG TACATTGGGT GAGTGAAGT 60  
 AATATTACAA CCAAACATA GTATTGATAC AAATTAGACT CCGTTTACA CTGTAAGGTA 120  
 ATGAATGAGG GAATCTTTA AGTGTTACAG AAAGATTTAG TAGAAATGTT ACCAGTGGTA 180  
 TGGCTGAAAG AATATTTCGG TGAAGTGCTG TTATATCCTG AAAACCAAGA GTGAAATGTA 240  
 GTTCCCATAC AAGTGGAGAG TTAGTCTCTT AACTACAGTA TTTGTTGAAC TGATATCTTC 300  
 ATGTCTTGGA TATTGGTGAT TTTTGTTTTT TAATTAAACA AAGCATTTAA GATTTATTCA 360  
 TCATAGTCAG ACTTCTGAAT ATAAACAAAC TTTTGGCAAA TAATATTTAT ACAGAAAAAT 420  
 AGTTTTAGAT CCTCTCAAAAT CCCAGAATTA TTCTATAAAA TTACATTATA AATAAATAA 480  
 AAGCAAAATC TGTTGTACAT ATATTTGTAC ATCTATGCAT TTGCCTTGCC TCCTCCTTAT 540  
 TGTAATGGC ATATTTATGA CTCTTGCAAT AT 572

Name: 145 Len: 402 Check: 1D03  
 TTTTTTTTTT TTTTTTGTCT TAAGGAAGTT TTTTGGCATT CTTTTTTTTT TTAGATTACA 60  
 ACACACATAC AATAAGTGAA TTTTATCAA ATACAGCACA TTTCTTCTAC TATATCCATA 120  
 AAAATCAATT CCTATGTAA TAGTACTGAA AATCAACTAA AATGAGTTAA AATTTACAAA 180  
 GAGTTGTTAA AGGGTTTCAA TCAAAATTAT TAAACTATA CAGTACAATA ACCAATTGAT 240  
 AACATCTTGA AAGAAGTGCA ATATTTGAGT TCACATATTT TTAAAAGTGC TGCCTACTTA 300  
 CTCTGACTAG CAAGAATGGA AAGTGAGTCC AACTCACTTT TGCAAAAATA ATGTTGGTTG 360  
 GTGTTTTAAG CTAGTCTTAT AAAAGTCTTA ATTAAATCA AG 402

Name: 146 Len: 482 Check: 28  
 AGTAGAAACA AAGTATGTTT AATGGTTGCT TTGGAAAGGG GAAGTGGGCA CCTCATGCCA 60  
 GGGAGATTTA AAAATGAGAC TTTTCAAGCA AGCACTGCCT ATAGCATAGT CTCATATTTT 120  
 GAAAATTTAA ACCTAATTTT AATTATATAT AAAGAACTAT TTTAAAAAT CACACCCACA 180  
 AGTAAAAAAC TGGTAATCTG TTTACAAAGT GCAGCGTCAG TACAGCAAAC TCATCTCAAC 240  
 AAAAGATTAT GTGTGGTTTC TCGGGCTTTA AAACCTCCCT GGTTCCTATT TAAATGCTTT 300  
 AACATTGAGT CATCCTGCAT ACATGAAAAG CCGTGTGAAT GAAGCCTGGG TCCTTTAACA 360  
 CCTGCTATTA ATTAATTCCA ACATAAGTGA GTATGAGACC TGNGAAGTAA ATTGTCATCA 420  
 TCTGATTGAT GAGGTACAGA TTATCTGAAT AAAATTTCTG ACCTGGTTAT GAGTCAGTAA 480  
 TC 482

Name: 147 Len: 489 Check: 149E  
 TTTTTTTTAA CATTCTTAAG TTTCTTTATT CTTCATAGTT TTCTAATGAA CAAATAGTTA 60  
 GTTTTCTTGA GTAAGATTAT AAAAAAGTTA ACCATTCTTC CAAAAGTATA AAGACAAATA 120  
 AAATGTCGAC TCATAATACA AATTTTTTAC ATAGCATTAAG AGGTGCAGAT ATTGACTGCC 180  
 CCTCTTCATT ATGATTGGCC CACCCCTTAA AAAGACTGCA ACAGAGGATT CAATTGTCTA 240  
 AAATACTTCG AAGTACAGAA ATTAAATGCT TTAGCCCAT AACAATATCCC TCATCTATTG 300



9

TGTTGCTAGG GAACACATGA GCAAAATCTA TCATTGCGAC TTCTACTTCA GCAATCTCTT 360  
GGCAACCAGT GGGAAAGATGG TAGAAAACCTT TNTCCAGTTG GGAAAGTACA TTTCCATTTA 420  
AATGTTCCCTG TGACATGCTT TTCCACCCAT TGTCTTGCTC CAGATTTTCA ACTTTTCAATG 480  
AAGTCTGAC 489

Name: 146 Len: 372 Check: DA7  
TTTTACCTTT TAATTTTATA TTATTTGCGT CATACATTTT CTGTAACGGA AGTGTTAATT 60  
TTACTGTACT TTTTGGTACC TTTTGGGAAT CTAATGTATT GTAAGGTATT TTACACGTGT 120  
CCTGATTTTG CCACAACCTG GATATTGAAG CTATCCAAGC TTTTGAAATA AAATTTAAAA 180  
ACCCCAAGC CTGGGTGAGT GTGGGATATG CTGTGTGAGA CCTCTTGCTC AGGGTCGAGG 240  
GAGGCGNGGG GGGGNGNNNC CNNNNNCCCT NNACTTTTNC CTTCTTCTGC NNCANGCTCT 300  
TCCAGCTTGA GGCCAGTTG GGGGGTATCC TTTAAGGACT GCCTTGCTTA GGGCTGGGCC 360  
CCCCTTTCAA GA 372

Name: 149 Len: 491 Check: CA  
GTTTTTAAAA CAAGCAAATT TTATTAAAGG AAAATTTTGC AGGTTTAAAGG TTTGCAGGTG 60  
AAATTTTGTG GGTGAAAAGG TTTACTTTT ACCAGTCTGT TCTGGCATGC TTCTAATGAT 120  
GTCAGAGTCA CCTGGATCAA TGATAGCCAG TGTGCACACT CTGTAGTATT TTCCGCAATG 180  
TGTGCCCCAGT TCAATATTAT TGCCACTGTA GTGATGGACA CCAGTTTATG CCAACATAGC 240  
ATAGTACTCT ATTTGAGATT TCCTCAAAGC TGGGCAGTTG TTAGCGAGAA TGACCAATTT 300  
CGCTTTTGCT TGTCTGATCA TCCTCAGAGT CTGCTTGATC CCCAGGACGT ACTTCCCACT 360  
TTTCATAACG AGTTGGAGCC TAGAGTTGAT CGACTCCAGC GACTTTTTTCG TCTTCTTTGC 420  
GGCCACCATC TTCCTGCTT AGGAGCGGGA CGGCCCCCAA CCTAGAAGAG ACAGAGAACA 480  
GGACAGGAAT T 491

Name: 15 Len: 601 Check: 1356  
CGACAACCTGT GCTGACAACC CATGTTCTTG CAGCCAGTCT CACTGTTGTA CACGATGGTC 60  
AGCCATGGGT GTCATGTCCC TTTTTTTGCC TTGTTTATGG TGTTACCTTC CAGCCAAGGG 120  
TTGCCCTAAA TTGTGCCAGG GGTGTTATGA CCGGGTTAAC AGGCCTGGTT GCCGCTGTAA 180  
AAACTCAAAC ACAGTTTGCT GCAAAGTTCC CACTGTCCCC CCTAGGAAC TTTGAAAAAC 240  
AACATAGCAT CATTAATCAG GAATATTACA GTAATGAGGA TTTTCTCTGT CTTTTTTTAA 300  
TACACATATG CAACCAACTA AACAGTTATA ATCTTGGCAC TGTTAATAGA AAGTTGGGAT 360  
AGTCTTTGCT GTTTGCGGTG AAATGCTTTT TGTCCATGTG CCGTTTTAAC TGGATATGCT 420  
TGTTAGAAGT CCAGCTAATG GAGCTCAAAG TATGAGATAC AGAAGTTGGG TGANCCATGT 480  
ANTGCATAAG CTAAGCAAC ACAGACACTC CTANGCAAAG TTTTGGTTG GTGAATAGTA 540  
CCTTGCAAAA CTGTAAAT AGCAGATGAC TTTTTCCTAT GGGTTTCNCC AGAGAGPATG 600  
T 601

Name: 150 Len: 455 Check: 254B  
CATGTTTAAAT TTATTATTAT TGCAAAAGAA CAGTTTTTCT CATGATTAGT GAAATAGAAA 60  
ACTCACAATA TACTTAAGAG TCTGCAACAA GTTACATAGA ATCAGAGGCA CTTCAAAGGC 120  
TTAAAAGAC GTTTACAAC TAAATGCATT TTTAAGAACA AAAACTGATT TTTCTTTAAA 180  
CCTCTACTCG TACCTTCAA TTGCAAGAAA TTAACAAATA CAGTGGCCAA AGGAATCTGC 240  
AGCAACTTCT TAAATACTG TTAACATCTT TGGGTTTGCT GAGGCTTGTC AGTAACTTAC 300  
ATCAAATCCT CCAAAAAGAA GATCTGATTA GATAGATATG ACTAAACGGT TTTGTAGTAA 360  
TAATCCAAAT TTACACATTA ATTTGCTGTT GCAAATCTGC CCAAAGCTAC AGGTAATGAA 420  
AAATAAGCA AGTGTAATAT GGATAGTCTG ACAT 455

Name: 151 Len: 465 Check: B98  
AGCTTGTCGA CGCTGTCGCA GGGGTGGATC CTGAGCTGCC GAAGCCGCCG TCCTGCTCTC 60  
CCGCGTGGGC TTCTCTAAT CCATTGTTTT TTTTAGATT TCTCGGGCCT AGCCGTCCTT 120  
GGAACCCGAT ATTCGGGCTG GCGGTTCCG CGGCCTGGGC CTAGGGGCTT AACAGTAGCA 180  
ACAGAAGCGG CGGCGGCGGC AGCAGCAGCA GCAGCAGCAG CAATCTCTTC CCGAACACGA 240  
GCACCACAGG CGCCGGAAG CCGGAACAGG CTTTTAGAGA AAATGGCAGA CGATATTGAT 300  
ATTGAAGCAA TGCTTGAGGC TCCTTACAAG AAGGTGAGAA AAAACATGTC GGTGAGGTTT 360  
ATATATTTCT TAATTTAGCA TTATTCACGA AACTACTGCT GAAATGTAAA CTAACCTTCC 420  
CGGAGCCCTC TTGATTTATC CTATTAGAGA TGCCTTACCT TGTAC 465

Name: 152 Len: 386 Check: 1BC9  
TCCTCTTAG TTTTCTTCCC AAATGGTTCC TCAGCCCCAG TGCTGGGCCC TGAATAGGC 60  
CCAGCTCCCT GTATAGTTCC CACAGAGCTG GCCACACCAT AAGTCAGGGG CAAACTGGAA 120  
CTGTGGGAAG GAGCTGCAGC CTGTACTTCC CTTTCAGTTA GAGCCTGAAG CTGGAGGAGC 180  
TTCTTTAGCA AGTACCTTCT TTCTTCTTTT GCTTTAAGAA ATTTTCTCTC AAGACGAGCA 240  
ATTTATCAC AAATAGCAGC ATTTTCAAAC ACCGTGGCCT TGGCCGCTTT GCGCAGCCGC 300  
AGGTACTTCA GCCGTAATC CTCATTCTGG CTCTTCTTGC GGAGCTTTTT CATCCTGGCC 360  
TTGCTGGACT GCANCGGAGC CCGCGG 386

Name: 153 Len: 601 Check: DA2  
TTTTTTTATT GGCTTGTTTT TTATTTCTAT GCTTATAAAA AAAATATGAA GCTTCTTTGT 60  
GTGGACTGAA GGGGTGTTAG CCTGTGGATG TTGCTCTCG GTGCCTGTAC CCCAGTGGCT 120

10

GTTTACATTC CAGGCCCTTG CTAAATAAAG CAGGCTCCAC TGCCAGCTGT CTGTACACTT 180  
TTTCTTGGGG GAAGAGTTCT TGTCTTCAGT TTAATGCACT AGGGTTCCCTG GCTCTGTTAC 240  
ATGCTCATGT GTTCCGGAAG AACATATGAA ATATCATCCC ACGGATGACG ATACAGCCCC 300  
TGCTTCAGCC TCTTCTGATC AAGATAGTGT CCAATGAACC CCATACTCCT TCCCAGCACA 360  
AAGATGCCAT TGAGGGCTCC AATGTCAATA TATTCATCAG CTTCCTCCCG AGTAAAGGAC 420  
CCACAGTTTC TAAGCATGTC TACAAATGCG ACTCCGATGA GACCATCTAC ATTCAAGATA 480  
AGATTGGCT TCTTCGAGGT GTAATCTTCT CTACTTCCAG TGCATAAATC GAGCAGAGAG 540  
TGGCCANCGA GTGCTGCCCT GCGTAATCTT TTGAGATCTG CACTCGCATG TTCTGGGTGT 600  
TGGCCANCGA GTGCTGCCCT GCGTAATCTT TTGAGATCTG CACTCGCATG TTCTGGGTGT 601

Name: 154 Len: 340 Check: 21AF  
GCGTTTTCAT ACTCTTTATT GCCAACGGTT TAAATGGTC AACATAAAAA AAAAGACAT 60  
TTTGATAATA AATACTGCTC TTTGGGCTGT AATAAATAAA AAGTTTATTA ACAAGGAATG 120  
CACTTTTCCA GCCACAAGTA TCTTCAAAAA TTAATGAAAA AAAATTATAT ATGGCCATAG 180  
TTCACAGTTA CGCAGCCAAA AGCTGCTCCA ATTACAGCCT TTAACAACA TGGGAGCTTC 240  
CTCCCTTCTC COTCCCCCTC AGGAAGTATA TTCACAGTTC CAAAGTCCTC TGGCTGAAAT 300  
GCTCTCAACA GAGAGAATTT AAGAATCAAT GCACCTTTCT 340

Name: 155 Len: 759 Check: 21E2  
CCTGGTCTTA CTTTCCCTTC CTCATCTTCC TTTTCTCAC TGTCTGACTT TTCTTCACTG 60  
TCGGACTTCT GTTGCTTTT GGTTCAGAC TTCTCATCTT TCTTTAAGTC TGCTTTTGGT 120  
CCTTTGTATT CATGTGTGTA CAGAGGCTG AAGGAGTCAA TGAAGCCAC ATCAGCAGTC 180  
AGAATTGGCA AGAACCAAAA GTGGTGCCTT CCTCCAGTTA TGAGCCAAAT GATGAGAAAT 240  
AGAATGCATC GAGCAACAGC AAGGAGAAGA ATACTGGCTA CAAAACAGCC TGCACCCACA 300  
CTGAGGTAAT AAACACCTAC TCTCATTTCT GCTGGCCAAA GGGGGAAGAG GGTGGCCGCT 360  
ATTACTGCAA TCACAAGAAAT TAATCCCAGT ACAAATGTTT TAAAGTGAAC TGGGTCATAG 420  
ATCCATACAT ACACCTCAT TCCATCCAGA AAAACCTGAT CATCATGTGG CTAAGTTTGA 480  
ATTTTTTCTA GTTTCCTTCT TTTNTAGAGT TCCCTGAGTT TCCTCCTTTT TGATTCTTCT 540  
TTTACCATC TTTTNTTCT CTTTTCTTT TTTTGGCTCT CATCCCTTAT ATTTNCTTCT 600  
TGCTCTTTTA TONTCTCTTT TCACTNTCAG CTTTCCCTTA TCTTTTTCTT TCCTATGCTT 660  
ATCATATTCA TTCCATACTT TAGSGGGCTG TGAAAAACTG CTCTAAAAAC TCTGTGAGTC 720  
ACCACAAANT CCCCTGTGAA TAAGTNTCTT CTTCTGCTT 759

Name: 156 Len: 703 Check: 24F3  
TTTTTGAGAA TACACAGGGA GCTTTATTAT ACAAATGGC GGGGTGGGG GCGGCAAGCA 60  
GCGGATGGCA TCAAAGAGGC GAGGGTAGGT CATGCTGGCA ACAGGAAGCA ACTTCTTAGC 120  
CAGGGCCGGG GGGCGGGTGT CTGGCTGGAA TCTCCCTGG GTACATGGAG GGTGCCAGCC 180  
GGCTGGACCT GCAGACCCAG GAAGCGAGAT GGGACGCCA GGGAGCCGG CCCCCTTCCA 240  
CAAGCACCTT CTCATACTTC CCATGCCCGG TGGCCACAAA CTTATACCTC TTCCAGATG 300  
GGGTGCTCTT AATTGTTGAT GAGGTCTTGG AGCTCCCTT CTGCTCCAG AGGCTTTTCT 360  
TGCTCATGTC TCCAGCCACA ATATCCTTGC AGGACGGAGT CTTGGCCGCA GACTGAGCCT 420  
GTACCTCACC CGTCTCCAC CGACTCTTGG TACTGGCCAC AGCCATGCTG GGCAGCTCTA 480  
TGGAGGCCTG GCNNGGCTAG CTTGGGGTCC GGCCAGCGT CTCGAATGGC CTGGTGTATT 540  
GTTCCAGCCA CTGATCAATC CTGGAGATGG GCAAGTCTTG CCTGGATTTT TTCACACTGG 600  
TACTCTTCTT TATTGGAGCG TTTAGGGGAC TCGTCTGTG NATGAAGTTG GTGTNGGCTC 660  
CAGGGAACCG AGCTCTGGTC GATGTCCCTT CAAPACCAAG GGG 703

Name: 157 Len: 757 Check: D7F  
CTTGGTGTGT CCGCTTTAGA AGGTCAAAT TCTCGTGAAG CTCTTTCTCT GCCTCCTTAA 60  
GTTCACTTTC TTTCTCCTTC ACTCTCATAA CAAACATTTG TCTCATTTCT TCTTCTTTCT 120  
TCTGCAGTTC TCCCAGGAAT TCATTCCCTT TTGCTTCATA TGTCTCCTGA AGACTGAAGG 180  
GTTTGCTGTC AGGGTCAGTG TCCTTGAACC CCATCTCTTC AAGCTTACAG CGTCGGTACA 240  
ATTCATAGTG GCGGGTGTGA GTCTGCTCTC GCAAGTCTTC CATGTTACAG CGGATCAGCA 300  
TCTCTCGAAG TTTCACAAAA TCGCAATGAT TTTCAATCTC AACCTGCACC ACACCCAGG 360  
GGTACTGCCCT GGCTTTTGCC ATCTTGTGTC CAATCTTCAC CTCTTCGGTG CTGCCAACCA 420  
CTGCAAATGG GAGATGGACA CTCATTGTTG CTTAATCTC TGCCACCGTT TCTTCATCAG 480  
TGGGAAACTG ATATATCTGG ACCCCATTGC TGACCAGTTC ACTCATGATC TTAATCTTGA 540  
ATNTGTGCAG TTTATTCTTG GCAATGTGTC AGCTTTTGCA AATATTGGGA ATGATGTCAC 600  
CTTACTGTCC AGCTTTTTC TGGTGACCAG ATCCAGGGA CCTTAGTGAN TGTCAGTANG 660  
GGGCAATAAG TAGAGGCAAG GCATGAATCC TCGTGTCAIG GTAGTTTSAG AAGAGACCGT 720  
TAAATCTCAT TTTNCTCTGC NGTANGCCT CGAACTG 757

Name: 158 Len: 455 Check: E81  
GGAAGTAAAA AAACCTGTTT CAGGCTTCAT TTATTGCTAC ATAATGACTA CTTCAAGGGT 60  
CATCTGGCCC GTCGTCAGTC ACTCTTAGAA GTGGTAAATA CAGTGGTATA GTTTGGAAGG 120  
AAAGGAGGAA AAAAATAATG CATTGTGATA CAAAAATATT ACCTACATAT AAATTATTAA 180  
AGATTATATA AACATTGAGA ATATGTTCTT GCTATAAAAA CAATATACTT AAATATAGAA 240  
GCAAAAGTC CTGAAGCACC CGCAATTATT TTAATATCCA TTTAATCAGG GAAACTATA 300

11

TATGTGGATA TATAATACAT ACATATGTAA TAATTTGAGA AGAAAAAGG CAAAATTCTG 360  
ATTATAATCC AAAAAGAGTT TATCTAATTA TGGAGGTAGG TCTCCACTCC AATTATACAA 420  
ATAAGTTATC AGTTTTATTC AAAGAATTAT AAGTC 455

Name: 159 Len: 486 Check: E17  
TGGTTTTCTT CAGCCGCAGT CTGTCTGTCT CTGAAGAAA TTCTTGCACT GCTCAGTGAG 60  
AAATACAGCA ATTCAAATTC CTGTAGATAG ACATCCAGTC GCTTCTGAGT GAGATTTCATG 120  
GTTTGTAAAG GTTTTTCATC TTGACTGGCT GACTGTACAT TCTGTTGCTT AGCAACTGCT 180  
CTTATCTCCT TCAGGTATTT CTCTCTAACA GACTGGAACC AGTGAAGTGA ATCAAACCTCC 240  
CGATACTGAT CCAAAAGCTT TAGAATGTAA GCCACACCCA TGGCAAAGCC ATCATCAGTA 300  
AAGGCAGCTC CAATTTTATT TTTTTTATTT AATTTTTCCT TGCAACTAAT GGAATGCTCT 360  
ACAAAGTTGA GGGTCAGAGG GGGAAACAAT ATATAGAAAT TTCGGAGATG TATATTCTTT 420  
GGCCTTCGAA ATTCTGGAGC AAAAACGTCT ACAAGCATT TGAATATTC TGTGCCTTCG 480  
GCAGAA 496

Name: 16 Len: 511 Check: AC8  
AGAGGATCGC CAAGGCCGTG AACGAGAAGT CCTGCAACTG CCTCTGCTC AAAGTCAACC 60  
AGATTGGCTC CGTGACCGAG TCTCTTCAGG CGTGCAAGCT GGCCAGGCC AATGGTTGGG 120  
GGGTTCATGG GTCTCATCGT TCGGGGGAGA CTGAAGATAC CTTCATCGCT GACCTGGTTG 180  
TGGGGCTGTG CACTGGGCAG ATCAAGACTG GTGCCCTTG CCGATCTGAG CGCTTGGCCA 240  
AGTACAACCA GCTCCTCAGA ATTGAAGAGG AGCNGGGCAG CAAGGCTAAG TTTGCCGGCA 300  
GAACTTCAGA AACCCTTGG CCAAGTAAGC TGTGGGCAGG CAAGCCTTCG GTCACCTGTT 360  
GGCTACACAG ACCCCTCCCC TCGTGTCTAG CAGGCAGTCG AGGCCCGGAC CAACACTTNC 420  
AGGGGTCTCT CTAGTTAGCG CCCACCGCG TTGAGTTCGT ACCGTTCTTA GAATNTACAG 480  
AAGCCAAATC CTGGAGCCT GTTGCACTCT A 511

Name: 160 Len: 638 Check: 251  
GGGGCTCCTC TTCACTTTCT TTATCTTCAT CATCTGAAGA CTCTTCCTTG TTTTCTTTT 60  
CATCTTCATC ACTACTAGAT TCATCTGACA GAATTTTCAGG ACATTTGGTT CGCTTAGCCT 120  
TACTTGCCAT TCCAGAAGTG TTCCGGTCTT TTTTACTGCC TTTGCTACAA GACTTTTTAA 180  
ATTTCCGGCA TGGTTTGCCA GAACGCTTTG GATGCATTAA GAAATTCAG ATCCTCTTCA 240  
CTAGTTCACCT ATTTACACCT GATCTCTCCA AATCAAGAAC CTCACAGATG CTCTTTAACA 300  
TGGCATTTCT AAACTTTTTC AACATTTCTT CCTCTTTTT ATATTGGACA CTCTCTTTT 360  
CAAATGGAAG GCCACTGAAC TGACCCACAT TCTTCTTTAA TGAGGACACA CAGCCTGGCC 420  
TGTGTAAAG CACTTGTGT ACATATCTAA GATCATCCGT TTTCTTCTTA CTAGAAAAA 480  
CATGTATGCT CTCAATTTCA CAAAGCGTCT GCCGCTTCC TTGCTGCATT GTAAATTGCT 540  
CTCTCTGCAG GGAGAGACGT GCATTGGCAC CTCTCTACTT TTTCTTTTCC CTCTTGCTT 600  
CCCGAAAGAA CCTTTTTTTT TCTTCTCTCT CTCTCTCT 638

Name: 161 Len: 845 Check: 445  
GAATTCGGCA CGAGCCTGTC TGGAGGAGTG GTAGTGAGTG CTATATTCTT CATTTTGTCT 60  
GCCAATATCT TATCATCTCC CTCTAAGAGA GGACAAAAG GTACCTTAT TGGATATTCT 120  
CCTGAAGGAA CACCTCTTTA TAACTTCATG GGTGATGCTT TTCAGCATAG CTCTCAATCG 180  
ATCCCTAGGT TTATTAAGGA ATCACTAAA CAAATCTTG AGGAGAGTGA CTCTAGGCAG 240  
ATCTTTTACT TCTTGTGCTT GAATCTGCTT TTTACCTTTG TGGAAATATT CTATGGCGTG 300  
CTGACCAATA GTCTGGGCCT GATCTCGGAT GGATTCCACA TGCTTTTTGA CTGCTCTGCT 360  
TNAGTCATGG GACTTTTTTG TGCCCTGATG AGTAGGTGGA AAGCCACTCG GATTTTCNCC 420  
AAGGGTACGG CCGAATAAAA ATTCTGTCTG GATTTATNAA TGGGCCTTT TCCAAANAGN 480  
AAANAGCGGT TTTTGGGGTT ANGGGAGNCA AGNGGCAAGA TGGATTGGAN CCCCCAGGAA 540  
TTAAGGCNNC CCACANNNA AACACCCAGN NCCANTTGGN GGGNGNNNA NNAACCCCTN 600  
ANTGGGACCN GGGNCCTTNA NCCAAGGCC AAGNCANGCC CAGGGGGGCT CCNCAAGGGG 660  
AGNNGCANCN AAANNGGGNC AAAGGNCTTT CAAACNCANN GNGGGGNC AAGGACCCNG 720  
GGGGNCGGGC AACCCGGGG TNNGGGGGG GNGNAAAACN CAAAANNGGG GGGNATCCCA 780  
AAAGGTTGGG AAAAACCNCTG GNAAAANGGG GGNCGNNCC AAAGGCCNAA AAANGNGTGG 840  
GGGGC 845

Name: 162 Len: 496 Check: 176A  
TGTAATACCT CCTCATCTTT TCTTCTTACA CAGTGTCTGA GAACATTTAC ATTATAGATA 60  
AGTAGTACAT GGTGGATAAC TTCTACTTTT AGGAGGACTA CTCTCTTCTG ACAGTCTTAG 120  
ACTGGTCTTC TACACTAAGA CACCATGAAG GAGTATGTGC TCCTATTATT CCTGGCTTTG 180  
TGCTCTGCCA AACCTTCTT TAGCCCTTCA CACATCGCAC TGAAGAATAT GATGCTSAAG 240  
GATATGGAAG ACACAGATGA TGATGATGAT GATGATGATG ATGATGATGA TGATGATGAT 300  
GAGGACAACT CTCTTTTCC AACAGAGAG CCAAGAAGCC ATTTTTTTT CATTTGATCT 360  
GTTTCCAATG TGTCCATTG GATGTCAGTG CTATTACGA GTTGATACAT GCTCAGATTT 420  
AGGTTTGACC TCAGTCCCAA CCAACATTC ATTTGATACT CGATGCTTG ATCTTCAAAA 480  
CAATAAAATT AAGGAA 496

Name: 163 Len: 491 Check: 21BF  
TAAGGATTAA AAACGATTTT AATTATACAC ATATGGTAC AATTTTGCCT TAAAAAGATT 60

12

GTTGGGAAAT GTACATAAGG CCGCTTGTAAT ATGTACATCG TGTTACTGTT ATGTCTTATG 120  
 TCCAGAGGAA AAAATGTTAT CATAACAGATT TGCTCTTACT TGGGAGTAGG CTATTCAAAA 180  
 ATACAGTACT CTTCTGTACA AAGAAAAAAG TCACATCACA TTAAATAAGA TGAAAAAAGC 240  
 ATTGGCCTCC ATGGTAACCA AATATCTCAG TCCAATACTT TCTATTATGC ACAATACCCCT 300  
 GACTTCAATT GAAAGTGATC CAAATTCTAG CAGGTCCATA TTAACAGTCA ACAACTATGT 360  
 TATAAAACAA AATGATCTCA CAATAATAAA AAGAAAGCTG GTTCATACTT CTGAAACCAT 420  
 ATAAAGATAA AAAATTTTTA AAAAATCACT CTCGATTGG AGAATAAAT TTACATTATA 480  
 CAACACTATA T 491

Name: 164 Len: 457 Check: 1699  
 TTTTCTGTT TATGACACTT TATTGATGCT GGGGGGGTGG GGAGGAGACC TGGAGAAATA 60  
 TGTGGGGGCA AGAGTCCCCA GGTGGGGACA GGGAAAGTGT TGAAGCCTGG CCACTACTGG 120  
 GCAGGGAAGA CAGAGTTGCC ACTGTATGCA CAGGGGATGA GCAGCTGCCG GTACTCCAGG 180  
 GGCAGGTGCC GCTCCACTAG CACGTGCAGT GAGACTTGGT CAGTGACCAG GCCCTGCCGC 240  
 CGCATCAGCA GCTCCAGGTC CTCTGGCTTC ACAGTCTTGC GGCCAGCATG AGCAGCAAT 300  
 ACCTCCAGAT CATCACAAG ATGCTGGAA TATTTATCTA GGCACCTCTC CACCATCTCA 360  
 AGAGCCTTCC TCTCCATGGG CATCTTGGCA TAGAAGCTAA AGAGTTTCAC ATAGTGGCTC 420  
 AGTCCAGCCT TGTGGGGATC TTGCCGGNGC CTGNGGC 457

Name: 165 Len: 477 Check: 17AD  
 TTTTTTTTT TTTTGTGTT CTTCCTCAG CCCCAGTGCT GGGCCCTGAA 60  
 ATAGGCCCAG CTCCTGTAT AGTTCACACA GAGCTGGCCA CACCATAAGT CAGGGGCAAA 120  
 CTGGAACCTG GGAAGGAGC TGCAGCCTGT ACTTCCCTTT CAGTTAGAGC CTGAAGCTGG 180  
 AGGAGCTTCT TTAGCAAGTA CCTTCTTCT TCTTTTGCTT TAAGAAATTT TTCTCAAGA 240  
 CGAGCAATTT CATCACAAT AGCAGCATTT TCAAACACCG TGGCCTTGGC CGCTTTGCGC 300  
 AGCCGCAAGT ACTTCAGCCG GTACTTCTCA TTCTGGCTCT TCTTCGGGAG CTTTTTCATC 360  
 CTGGCCTTGC TGGACTGCAG CGGAGCCCGC GGCGAGGAAG CGAGGCCGTC CAGCAGGCTC 420  
 ATGGTCCAGC CCCGCTACGG GGGCCCCAGG ACCTGCGCGG CATCGGATCC TAAGTCG 477

Name: 166 Len: 468 Check: 19A4  
 GAGAAGACGA CAGAAGGGGC TACTGCGGCA GAACCAGAGG GCCCTGAACC GTGCCATGCG 60  
 GGAGCTGGAC CGCGAGCGAC AGAAACTAGA GACCCAGGAG AAGAAAATCA TTGCAGACAT 120  
 TAAGAAGATG GCCAAGCAAG GCCAGATGGA TGCTGTTCGC ATCATGGCAA AAGACTTGGT 180  
 GCGCACCCGG CGCTATGTGC GCAAGTTTGT ATTGATGCGG GCCAACATCC AGGCTGTGTC 240  
 CCTCAAGATC CAGACACTCA AGTCCAACAA CTCGATGGCA CAAGCCATGA AGGGTGTGTC 300  
 CAAGGCCATG GGCACCATGA ACAGACAGCT GAAGTTGCCG CAGATCCAGA AGATCATGAT 360  
 GGAGTTTGA GCGCAGGCG AGATCATGGA TATGAAGGAG GAGATGATGA ATGATGCCAT 420  
 TGATGATGCC ATGGGTGATG AGGAAGATGA AGAGGAGAGT GATGCTGT 468

Name: 167 Len: 399 Check: BC8  
 TTTTTTTTT TTAGGTTTAT AATCAGCATC ATCCTCATCT CGAGGTCTCT TTAATGGCTT 60  
 TATATCCTCT TTAGGAGGAA CAAATAGCC ATCATCTTCA GGTTCATCTT TAATTTGTGG 120  
 TGGACTAGAG AAGCCATTTT CTTTCTCCTT CTTTATTTT GCATCCCCAG AGGCTCGAAC 180  
 CTTTTCTCT TTTCTGTTTT CTTTGTCTCT GTCTTTATGT TTGTCTTTAT GCTTTTCTGA 240  
 GCTTCCATCT TTGTGTTTGG TCTTCTCCTT CTCTTTGTGT TTCTTTTCAG AATCTTTATG 300  
 TTCCTGTTG CTATGCTTGG ACTTTTCCCG GNCCTTCTCC TTTCTGGGTT CTTTTGNGCC 360  
 GNGGTCTCGA TCCTTTGGTT ATTTTGTGT TATGAGAAT 399

Name: 168 Len: 557 Check: F21  
 GAGCCCAAGC GCCTTCTCCG CACCAGGGAA GCCCCACCCA CCAGAAGCCA AGATGTCCAG 60  
 CAAGCGGGCC AAAGCCAAGA CCACCAAGAA GCGGCCACAG CGGGCCACAT CCAATGTCTT 120  
 CGCAATGTTT GACCAATCCC AGATCCAGGA GTTTAAGGAG GCTTTCAACA TGATTGACCA 180  
 GAACCGTGAT GGCTTCATTG ACAAGGAGGA CCTGCACGAC ATGCTGGCCT CGCTGGGGAA 240  
 GAACCCCAACA GACGAATACC TGGAGGGCAT GATGAGCGAG GCCCCGGGGC CCATCAACTT 300  
 CACCATGTTT CTCACCATGT TTGGGGAGAA GCTGAACGGC ACGGACCCCG AGGATGTGAT 360  
 TCGCAACGCC TTTGCTGTGT TCGACGAGGA AGCCTCAGGT TTCATCCATG AGGACCACCT 420  
 CCGGGAGCTG CTCACCAACA TGGGTGACCG CTTCAAGAT GAGGAAGTGG ACGAGATGTA 480  
 CCGGGAGGCA CCCATTGATA AGAAAGGCAA CTTCAACTAC GTGGAGTTCA CCCGCATCCT 540  
 CAAACATGGC GCCAAGG 557

Name: 169 Len: 564 Check: 163  
 ACGACTTGGC CATGCTGAAA CAGATGAACA ATTACAGAAT ATTATATCTA AATTCCTTCC 60  
 TCCTGTTTTG CTCAAACTCT CTAGCACCCA AGAAGGAGTA CGTAAAAAGG TAATGGAAC 120  
 GCTGGTCCAT CTGAATAAAC GTATAAAAAAG CCGCCCCAAA ATCAAACTTC CAGTAGAGAC 180  
 ACTGTTGGTT CAGTACCAGG ACCCTGCTGC AGTTTCTTTT GTCACAAAT TTACTATAAT 240  
 TTATGTTAAA ATGGGCTATC CTCGCCTACC AGTGGAAAAA CAATGTGAAC TGGCCCCCTAC 300  
 GCTTCTTACT GCCATGGAAG GGAAGCCTCA GCCACAGCAG GATAGCTTAA TGCATCTTTT 360  
 AATACCAACC CTTTTTCA CA TGAAATACCC TGTTGAATCA TCAAAATCAG CTTCTCCATT 420  
 TAATCTTGCT GAGAAACCAA AGACTGTGCA GCTGCTTTTG GACTTCATGC TAGATGTCTT 480

13

TCTGATGCOOT TATGGTTACG TGTTAAATGA ATCCCAGAGT CGCCAAAATT CATCTTCAGC 540  
ACAGGGTTCT TCTTTCAACA GTGG 564

Name: 17 Len: 338 Check: 14BF  
CAATGCTTGA AGTATAAAAA GCTGAGAGTG TTCTCGGGCA GGGAGTCTCC AGAACCAGGA 60  
GAAGAAGAAT TTGGACGCTG GATGTTTCAT ACTACTCAGA TGATAAAGGC GTGGCAGGTG 120  
CAGATGTAGA GAAGAGAAGG CGATTGCTAG AGAGCCTTCG AGGCCAGCA CTTGATGTGA 180  
TTCCGTGTCC TCAAGATAAA CAATCCTTTA ATTACTGTCC GATGAATGTC TGCAGGCTCT 240  
TGAGGAGGTA TTTGGGGTTA CAGATAATCC TAGGGAGTTG CAGGTCAAAT ATCTAACCAC 300  
NTTACCAGAA GGATGAGGAA AAGTTGTCCG CNTATGTC 338

Name: 170 Len: 457 Check: A6C  
GATTGTATGG TGGGGTGGTG ACCTATTTTT ACAAATTATA CCTAATGAGT AAAATTAGTG 60  
TAAAGTGATA ACATGCTTCT ACCTGTATTT CTAGTGACCC TTAGCGGCA GGTATTTATA 120  
CCTGGTATTT ATGATGCAGT ATATAAGTGG TGAACAATA CTGACAGTAT TGTGCTEGCT 180  
GTACATGTCT GGTCTTTTGA AACAGATTTT AGTAAGCATT TTCCAGAGGT AAAACTGTGT 240  
CCTTATTTCTA ATTTTATTC TAGGGCAAAG TAGACAGGGA TTATTTCTCT GAATCTATTT 300  
CCAAATTAAT ATTTTCTCT TTGGTATTTT TACACTTTAA GGCCATTTGG TGCAATTTAG 360  
AAAGTGTGG CCTCCCTTCC GCTAGCCACA TTCANAATTA ACTTCCAAA CCTCAGGAAC 420  
AGTACAAAGA ATTGAAACCC TCAATATGGC AGCACAG 457

Name: 171 Len: 527 Check: 703  
TTTTTTTTTT GATGGTACT AAGGGAGTAT TTTACTGAAA AAAATAGAAA ACTACATTTT 60  
TACACGAAAT AAACCTATGT CTGCAATACT CAGCCTTAAA TTCACCCCTC ACTTCAGAAG 120  
AGGTCCCAGG GGCAGGAATA ACACGCACAG ATTGTTTGT CACGACTTCC AGCCGGTCCA 180  
CCAGACCTCT GGCAGGTAA TACTGTACAA AGTGCTTCCA CGTGATTTCT CTTCCAGGAT 240  
CTCGAAAATA GAGGTAGAAA AATCCCATGG CAACGCCTGC CCCCCAAAG GCCAGACTGC 300  
GGAAATCCTC GTCATCCAG GGAAGTCCC CCTTCTGCA TCCGCTCCA CCAGGCAACG 360  
TTATCCTGCT TCCCTCCTCT CCTGCCTCCG TCTCCTCCAG ACTCAGCATT CTCTAGTTCA 420  
CCAGTCTCT TGGGTGGTT TGAACACAGC CACCAGGAAA ATAACGTCCG TCTTGCCTGC 480  
AGAGTCAGCT TGTGAACGTG GATCCCCTGG AAGCACTGGA ACAGGAG 527

Name: 172 Len: 546 Check: 101E  
CGGCACGAGG GACAAACGAG CCTGATAAAC AAGTGGACGA CTTTTCTTAA GGCCAGACTG 60  
ATTTGCTCAA TTCCTGGAAG TGATGGGGCA GATACTTACT TTGATGAGCT TCAAGATATT 120  
TATTTACTCC CCACAAGAGA TGAAAGAAAT CCTGTAGTAT ATGGAGTCTT TACTACAACC 180  
AGCTCCATCT TCAAAGGCTC TGCTGTTTGT GTGTATAGCA TGGCTGACAT CAGAGCAGTT 240  
TTTAAATGGTC CATATGCTCA TAAGGAAAGT GCAGACCATC GTTGGGTGCA GTATGATGGG 300  
AGAATTCCTT ATCCACGGCC TGGTACATGT CCAAGCAAAA CCTATGACCC ACTGATTAAG 360  
TCCACCCGAG ATTTTCCAGA TGATGTCATC AGTTTCTATA AGCGGCACCT TGTGATGTAT 420  
AAGTCCGTAT ACCCAGTTGC AGGAGGACCA ACGTTCAAGA GAATCAATGT GGATTACAGA 480  
CTGACACAGA TAGTGGTGGA TCATGTCATT GCAGAAGATG GCCAGTACGA TGTAAATGTTT 540  
CTTGGA 546

Name: 173 Len: 710 Check: 316  
CTCTCTTCT ATCTGGGCTT TCTTTTGAGC TCTTCTTGT TTATTACGTA GCTTCTTTAG 60  
CTCTTTGTCA GACATGTTTG CTGTATCAGC TTCGTGTTCT TTATCTCAT CTGTAAGGGG 120  
GTTGTCAIGA AGCTTCAAAT AGATCTCTAT AGCAATTCTT GCTGCCTTGA AGTAAATGTT 180  
ATGCTGTGCA AGTACATCTT CTAGTTTTAA TAAGTCCACA TATGATCTAA GGGTAATCTT 240  
CCTCATACAG TATGTATGAA AGTCAAACGT GTCATCAGTG ATTTCTATAA AATGCTCTC 300  
AATCTCATGA CATTTCTTAA GTGCTTCACC AAATTTATTC ATTGCTTTAT AAGCCTGGGC 360  
ACATTTCTGT TGAACCCACA TGCATGTCAT TTCATTCAAA TTCTCTACCG CTGATGTTCC 420  
TTCCCTTGTA AACTTTGAGC ACATTTCTTC AGCTTCTTTA ATCAGGTTGG CTTTACCAT 480  
GTATTTTGCA CATTTGGAGT TGATAAATCT GTCTGCTGTG TCCAAGGCCT GNGCCTCATC 540  
CATCCACCTT GCAGCTTCTT TAATATTTCC AGCATGCTTA TAGATTTTAG CTNTCACGAG 600  
AAAGANGTCT ATTAATGTAG TGTACTNTCA ATAGCAGTAT TTATGTACTC CANAGCANTA 660  
GATGGCTGAC CAATTTTGTG ATAATGGTGT GCCAAGTAGT ACTTGACCCA 710

Name: 174 Len: 409 Check: 6EF  
GGCACGAGCA TTAATACATG TCCACAGGAA GTACAAAAGC CATCTTCATT TGAACGTAAA 60  
TACAATAATC CTGAAATTTCT TAGCACCAGG TATTACTTTT AAAAGTAAAG ACAACCGAGT 120  
GCTCTCCCA CATATTGTTG ACTTCTTCT ACTCACACTG CATGTCATTG GAGATTTTAA 180  
AAAGTTAGCT GCCACAGTTT TGGAAAATGC CAGTGTTTAA AAATAATTGT GTTAAAGAAT 240  
CAAAAGTTTA GCGTAACAGA TTTTGAGTAC TTCAAACCAT TCAATGTTAC AAAGAAAAGT 300  
GAAAATACCA TTCTTTGGTC TAGATTAGCT GTTCCCTTTA CATTAATTTA ACATTCGGAT 360  
GGCTTTTTGA AAACITTTAA AATGTTGAAA CTCACTAGAC AAAACAAA 409

Name: 175 Len: 410 Check: 152D  
GGCACGAGCT TTGCAGGGAA TGAATACTGG ATCTACTCAG CCAGCACCTT GGAGCGAGGG 60  
TACCCACAGC CACTGACCAG CCTGGGACTG CCCCCTGATG TCCAGCGAGT GGATGCCGCC 120

14

TTTAACTGGA GCAAAAACAA GAAGACATAC ATCTTTGCTG GAGACAAATT CTGGAGATA 180  
 AATGAGGTGA AGAAGAAAT GGATCCTGGC TTCCCAAGC TCATCGCAGA TGCCTGGAAT 240  
 GCCATCCCGG ATAACCTGGA TGCCGTGCTG GACCTGCAGG GCGGCGGTCA CAGCTACTTC 300  
 TTCAAGGGTG CCTATTACCT GAAGCTGGAG AACCAGAGTC TGAAGAGCGT GAAGTTTGA 360  
 AGCATCAAT CCGACTGGCT AGGCTGCTGA GCTGGCCCTG GCTCCACAG 410

Name: 176 Len: 473 Check: 2639  
 TTTTITTTTT TTTTITTTTAC AAAGGAAAC AAAGCTACTT TTGGTTTTGG CAACATTAAA 60  
 AAAGAAAGAA ATATAAAAG CAATGTGGCA TTGGTCCCTA TTCATTAAAA AAAAAGGGTA 120  
 CTTGGGCACG ACACATCAG AATTAGTTTG TTTTCTAAAA TTCAGAGTAT CTGGGATTTT 180  
 AAAAGTAGCA CTTTTTAAAA AGTTCAACAA GTCAATAAC ACTTAAACA TCAAAAAGC 240  
 TTTCTGATAA AAAGCTCAGC TTTTAAATCA CGTTTTGTTT CTGCAATTT GGGAGACAAA 300  
 TTGAGTTCTT ACTGGAATGT GGCCTATCGC TGGTTGACAA ATCTGAAATG GAATGTCTCC 360  
 AAATGGCAGT GCCTCCCTTT CCGCCCTCCC TAGGACCACA CCAATAACCA GCTCCCAAGC 420  
 ACAAGTTCTT GCTCCCATTT TTTCTGTAGG GGTGGGGGTG GGACCTTCAG GCT 473

Name: 177 Len: 423 Check: F98  
 TTTTITTTTT TTTTITTTTA CAAAGCTTTC TGTAATATT TTATTTTCCA TATTTAGAG 60  
 TCAGAAAGAA GCGCTTGGTA ATAAAPATAA TAGAGAATTA TTTTCTTCAA GCCCGCTCTG 120  
 CGCTGCGCCG GCCTCCCGCG GCCCGGGCCC ACGGCTGAGT GCGCGGCGTC AGAGGCCCCA 180  
 AGTCCATCTC ACTATTACA GATATGTTAC AGGCCGGGAT GGTCACAGAG GAAAGCCACG 240  
 CTCTCAGCAT GGCCCCACGT GGTGAGGAGC CCCCAGGCTC CTCCCGGCTG TCTCGACAG 300  
 AGACTGAGAA GCCTGCGCGG TCCCGTGGGG GCCTAGGCTG CCGCGGGGCTC CACGGGGGGG 360  
 CAGGAGTGGG CCGTGATGTC GCTGTGCTTG TACGCCGCTT CGTCCAGGTC CAGCAGCCTC 420  
 CGG 423

Name: 178 Len: 304 Check: 1952  
 TCAGGTTCAA GTGCTGGATT GTGTCATGTC ACCATCCCAA AACTCAGAGC ACCCTATGGC 60  
 CGTCTTTGCC CTCTGTCACT TAACTTGAAA ACTGCCTGAT GGCTTTTTTG CAGTGGTTCC 120  
 CTCCAGGAAG CCTTGATCTC AGTTGAAGAA GTTCTTTCCT GGCAATCCAA TGCCCTGTC 180  
 AGCTCCATAC TCCTCAGACA CCCTTAACAA AGGCTGTCTG GCACACAATG TGACPAATAC 240  
 ACAAAATAAA TGATAATTAC ACTAATAATG ATATGTTTCA AGGGGCACTG GCCAGGTCCA 300  
 CACA 304

Name: 179 Len: 541 Check: 1295  
 GGGGCAAGA AAAATGTGAA GGATTCGAAC TGCACTCTCG GAGAAAAATA TGTCGTAAC 60  
 GCAAGTGTGG CCAAGAAGAG CATGATGTCC TCTTGAGCAA TGAAGAGGAT CGAAAAGTGG 120  
 GAAAACTTTT TGAAGACACC AAGTATACCA CTCTGATTGC AAAACTAAAG TCAGATGGAA 180  
 TTCCCATGTA TAAACGCAAT GTTATGATAT TGACGAATCC AGTTGCTGCC AAGAAGATG 240  
 TCTCCATCAA TACAGTTACC TATGAGTGGG CTCTCTCTGT CCAGAATCAA GCATTGGCCA 300  
 GGCAGTACAT GCAGATGCTA CCAAGGAAA AGCAGCCAGT AGCAGGCTCA GAGGGGGCAC 360  
 AGTACCGGAA GAAGCAGCTG GCGAAGCAGC TCCCTGCACA TGACCAGGAC CCTTCAAAGT 420  
 GCCATGAGTT GTCTCCCGA GAGGTGAAG AGATGGAGCA GTTTGTGAAG AAATATAAGA 480  
 GCGAAGCTCT GGGAGTAGGA GATGTCAAAC TTCCCTGTGA GATGGATGCC CAAGGCCCCA 540  
 A 541

Name: 18 Len: 245 Check: E67  
 AGGAAATTAA CATTTTGATA CCCATGCATT GGTTCAGGAC NTTGGAACT CATGGNTTTG 60  
 ACAAAACACA AGCAGAAACA ATTGTATCAG CGTTAACTGC TTTATCAAT GTCAGCCTGG 120  
 ATACTATCTA TAAAGAGATG GTCACCTAAG CTCAACAGGA AATACAGTA CAACAGCTAA 180  
 TGGCTCATTT GGATGCTATC AGGAAAGACA TGCTCATCCT AGAGAAAAGT GNATTTGCAN 240  
 ATCTG 245

Name: 180 Len: 685 Check: 531  
 TCGTGAACA AAAGTTATCC TACACCTGAA AGAAGACCAA ACTGAGTACT TGGAGGAACG 60  
 AAGAATAAAG GAGATTGTGA AGAAACATTC TCAGTTTATT GGATATCCCA TTACTCTTTT 120  
 TGTGGAGAAAG GAACGTGATA AAGAAGTAAG CGATGATGAG GCTGAAGAAA AGGAAGACAA 180  
 AGAAGAAGAA AAAGAAAAAG AAGAGAAAGA GTCCGGAAGAC AAACCTGAAA TTGAAGATGT 240  
 TGGTTCTGAT GAGGAAGAAG AAAAGAAGGA TGGTGACAG AAGAAGAAGA AGAAGATTAA 300  
 GGAAAAGTAC ATCGATCAAG AAGAGCTCAA CAAAACAAAG CCCATCTGGA CCAGAATCC 360  
 CGACGATATT ACTAATGAGG AGTACGGAGA ATTCTATAAG AGCTTGACCA ATGACTGGGA 420  
 AGATCACTTG GCAGTGAAGC ATTTTTTCACT TGAAGGACAG TTGGAATTCA GAGCCCTTCT 480  
 ATTTGTCCCA CGACGTGCTC CTTTTGATCT GTTTGAAAAC AGAAAGAAAA AGAACAATAT 540  
 CAAATTGTAT GTACGCAGAG TTTTTCATCAT GGATAACTGT GAGGAGCTAA TCCCTGAATA 600  
 TCTGAACCTC ATTAGAGGGG TGGTAGACTC AGAGGATCTC CCTCTAACA TATCCCGTGA 660  
 GATGTTGCAA CAAAGCAAAA TTTTG 685

Name: 181 Len: 207 Check: A9C  
 TTCTCAGAGG AACGAGAATG AATATGACTC AAGCCCGGGT TCTGGTGGCT GCAGTGGTGG 60  
 GGTGTTGGTGC TGTCTGCTC TACGCTCCA TCCACAAGAT TCAGGAGGGC CATCTGGCTG 120

15

TGTAATACAG GGGAGGAGCT TTAATACTA GCCCCAGTGG ACCAGGCTAT CATATCATGT 180  
TGCCCTTTCAT TACTACGNTT CAGAATC 207

Name: 182 Len: 530 Check: A17  
AAATCATTCCT GGTTCACGGA CACCTCCAGT AGCACTCAAC AGTTCCAGAA TGAGCTGCTT 60  
CAGTCGTCTCT AGCATGTCCC CAACACCTCT TGATCGCTGC AGATCACCTG GAATGCTTGA 120  
ACCCCTTGGC AGCTCTAGAA CACCCATGTC TGCTCTGCAG CAAGCCGGCG GCTCCATGAT 180  
GGATGGTCCA GGTCCCGGAA TACCTGACCA CCAGAGAACA TCTGTGCCAG AAAATCATGC 240  
TCAGTCCAGG ATTGCACTTG CCCTGACAGC TATCAGTCTT GGCACCGCTC GGCCTCCTCC 300  
GTCCATGTCT GCTGCTGGCC TTGCTGCAAG AATGTCCAG GTTCCAGCCC CGGTGCTCT 360  
CATGAGTCTC AGAACCGCAC CAGCAGCCAA CCTTGCCAGC AGGATTCCTG CAGCCTCTGC 420  
GGCAGCCATG AACCTAGCCA GCGCCAGGAC ACCTGCCATT CCAACAGCAG TGAACCTGGC 480  
TGACTCTCGA ACGCCAGCTG CAGCAGCGGC CATGAAGTTG GCCAGCCCCA 530

Name: 183 Len: 526 Check: 7E1  
TGTAATCAA CTGAGGCATC TACTTGTGAG TAATGTGGGA GGAGATGGAG AAGAGATTGA 60  
AAGATTCTTT AAATTACATC AGGAAGACCA GGCTTGTGCA ACTTGCCTTA TTCTTGCTTG 120  
CTCCACTGCT GCCTGTGATA GAGAAGTATC TGCTGGGCT ACTCGGGCTT TCTTAGGTA 180  
TGGTGGTGAA GCACAGATGA GATTTCCAAC CACTCTCCG CCTCCAAGTA ATGTTGGTCC 240  
CATCTTGGGG TCTCTGTCT ATTCTAGTTC TCCTGTCTCT AGTGGTAGTC CCTATCCAAA 300  
TCCATCCTTT TTGGGAACAC CGTCTCATGG TATACAGCCT CCTGCCATGT CAACTCCAGT 360  
GTGTGCTCTG GGAACCCAG CAACTCAGGC CACAAATATG AGTGTGTGA CAGGACAGA 420  
GATTTGTGAC TCTGGAACAC ACAATGGGAT TTGCATTTAC TTTCTCGGA TCATGGGAAA 480  
CATTTGGGAT GCAAGCTTAG TTGTGGAGAG AATATTCAG AGTGGC 526

Name: 184 Len: 612 Check: 1418  
GAAGAAGAGG AAGAGGAGGA GGAGGAAGAG CAGCCGAGG CAGCACAGCC TCCACCCCTG 60  
CCCCTGGAGG AGAAGAAGAA GATTCCAGAT CCAGACAGCG ATGACGTCTC TGAGGTGGAC 120  
GCGCGGCACA TCATTGAGAA TGCCAAGCAA GATGTGATG ATGAATATGG CGTGTCCAG 180  
GCCCTTGCACT GTGGCGTGA GTCCTACTAT GCCGTGGCCC ATGCTGTCTC TGAGAGAGTG 240  
GACAAGCAGT CAGCGCTTAT GGTCAATGGT GTCTCAAAC AGTACCAGAT CAAAGGTTT 300  
GAGTGGCTGG TGTCCTGTGA CAACAACAAC CTGAACGGCA TCCTGGCCGA CGAGATGGGC 360  
CTGGGGAAGA CCATCCAGAC CATCGCGCTC ATCAGGTACC TCATGGAGCA CAAACGCATC 420  
AATGGGCCCCT TCCTCATCAT CGTGCCTCTC TCAACGCTGT CCAACTGGGC GTACGAGTTT 480  
GACAAGTGGG CCCCTCCCTG GGTGAAGGTG TCTTACAAG GATCCCCAGC AGCAAGACGG 540  
GCCCTTGTCC CCCAGCTCCG GAGTGGGAAG TTCAACGTCT TGCTGACGAC GTACGAGTAC 600  
ATCATCAAG AC 612

Name: 185 Len: 433 Check: C75  
GTTTCTTCCA GACAAAGGAA TATCAAAACA CTTCCGACCA AGTACAACAA AGGCATGGGA 60  
AGATCATGAT AATGTTTTAC ATCACAATTT ACAGCATTTT ATTTTAAATCA GTATTTGTAG 120  
AAAACAAGGA TGCTGAGTTC TTGAACACTG CAGTCAACAA CTCAAACATA AATTTCCAAA 180  
AAAAGGAAAG AAAACACTGA ACTACTTGGT CAACGAAACA TCTGTAAATA TAAATGTAAC 240  
GAAACCTAAC CAAATAAATA TGCCACTGAG ATCACAACAG AAGTGTATGG TTTTGTAGT 300  
GTGCCAGAGA CATTAAATTA TTTAATCAGT TTTTGACTAC AACCACAAAGC AAAGCATCCT 360  
CTCTGTTTTCC CTGATGATTT ATTCTAAAAG TAACCTTAAA AAGCAGAAAC TTGCTGGTTA 420  
AAGAGAAATTT CTG 433

Name: 186 Len: 377 Check: 2316  
ATAATGCAAG CCCTTGCAATG GCAATCCAAA TTTATTGAAC TACTGATGCT AAGTTATACA 60  
AAATTGCACC ACTTTAATTA AGGCTTTTAT TTTACATTTG GCCACCTCAA AGTAGTTGTA 120  
ACATTAGGTT GGTCAATTTA AATACTGTGG CTCCCTGTTG GATAGACACA CAATCTTTAC 180  
ATCCAAACAT TAATGCATAC AAAGCAACAA GGCATTGTGA AATAAAACAG CAATAGTTAC 240  
TGCAAAATTAG GCCTTGTGAC CAATTACATA TGATTAAAT TACTTCCCAC ATTCACATCC 300  
ACAGTNACTC GTCCACCATT TAACATCTCA CCAANNACGT TACACATGTG AAACAATCAC 360  
TAACAGGCAA AAATACT 377

Name: 187 Len: 413 Check: 6F4  
GCTGTAGGTC GAGGGGAAGA CTTAGACTCC TTCTTTATAT TGGGTTTCTT TGAGCCTTTG 60  
GTGGCTGCTT TGTGTCTGCT GGAGGGCATG CTGCTAGCCA AGTCTACAGG GGTTCACCTT 120  
TCTATCTTCA GGCCTCCAGC AGGCTCTTCA GCAGCTGCCT TCTCAGCCTT TTTGGGTTGT 180  
TTTTTGCCCTA CAGTCTCTCT CTGTGTGTG CTGTCACTCT GTGCAGGAGA TTTCTGCCTC 240  
CCACGCCCCAC TTTCTGATCC CTTTTGGATG GTTTTGGAGT CTCGTCCCGG AGTAGCGGAA 300  
CTCGTTTTCTT TAGGTCCACT TGTATCAGTG TAGCTATTCC CAGTGCCTCT CTCTCGGCCT 360  
TCCTTTTTTGT AGCCTTGAGA TGATGGGATG TTAATGTCCA CTGAAGAGGC GGG 413

Name: 188 Len: 378 Check: 13F6  
CTGAAAAGCC ATCTTTGCAT TGTTCCTCAT CCGCCTCCTT GCGCCCGCA GTCCGCTCCG 60  
CCGCGCGCCT CCTCCGCGCC CCGGAGCTCC GGCAGCTTTA TCGCCAGAGT CCTGAAGTC 120  
TCGCTTTCTT TTTAATCCCC TGATCGGGAT CACCGGCGTG CCCCACCATG TCAGACGCAG 180

16

CCGTAGACAC CAGCTCCGAA ATCACCACCA AGGACTTAAA GGAGAAGAAG GAAGTTGTGG 240  
AAGAGGCAGA AAATGGAAGA GACGCCCTG CTAACGGGAA TGCTAATGAG GAAAATGGGG 300  
AGCAGGAGGC TGACAATGAG GTAGACGAAG AAGAGGAAGA AGGTGGGGAG GAAGAGGAGG 360  
AGGAAGAAGA AGGTGATG 378

Name: 189 Len: 545 Check: 214D  
TCTGTACAGAA GTTGTAGCAG TGTGTATAC TGTTCGATT CATGGACTCT GTTTCAGACT 60  
TGAAGAGCAA AGAAATTAAA AGAGCAACAC TGAATGAAC GGTGAGTAT GTTCAACTA 120  
ATCGTGGTGT AATTGTTGAA TCAGCGTATT CTGATATAGT AAAAATGATC AGTGCTAACA 180  
TCTTCCGTAC ACTTCCTCCA AGTGATAATC CAGATTTTGA TCCAGAAGAG GATGAACCCA 240  
CGCTTGAGGC CTCTTGGCCT CACATACAGT TGGTATATGA ATTCTTCTTG AGATTTTGG 300  
AGAGCCCTGA TTCCAGCCT AGCATTGCAA AACGATACAT TGATCAGAAA TTTGTACAAC 360  
AGCTCCTGGA GCTTTTTGAT AGTGAAGATC CCAGAGAACG TGAATCTCTG AAGACTGTT 420  
TGCACCGAAT TTATGGGAAA TTTCTTGGAT TAAGAGCATT CATCAGAAA CAAATTAACA 480  
ACATTTTCTT CAGGTTTATA TATGAAACAG AACATTTCAA TGGSTTGTG AACTTCTTGA 540  
ATATT 545

Name: 19 Len: 304 Check: 187B  
GATCAAACAA AGTCTGATAG TCTATGCAAG TAACCAGCCA TGTATTTGTA ACAACTTCTC 60  
CCACAGTGGC TTCCACTTCA CACCCAGCA GAGGAACAC AGCATAATCC GCAACAGTTC 120  
TGCTCAGAA GACATGATT TTCCAGCAT TTTCTTTTAA NNANGTTTGC GATGTTAGAT 180  
TCATTTTCAT TACTAAAACC CAAACAAGG AAACCTTTT GGCTAAATPA GCCTTCTTCA 240  
GTAATTGTNG AAACATCAGG GGACACAATG ACTTGACAGA AGACTGGGT TTTCTTCTT 300  
GGCA 304

Name: 190 Len: 648 Check: 1E8C  
GGGTGTGCGA TTGTGTGGGA CGGTCTGGGG CAGCCAGCA GCGGCTGACC CTCTGCCTGC 60  
GGGGAAGGGA GTCGCCAGGC GGCCGTCTATG GCGGTGTCCG AGAGCCAGCT CAAGAAAATG 120  
GTGTCCAAGT ACAAATACAG AGACCTAAT GTACGTGAAA CTGTCAATGT TATTACTCTA 180  
TACAAAGATC TCAAACCTGT TTTGGATTCA TATGTTTTTA ACGATGGCAG TTCCAGGGAA 240  
CTAATGAACC TCACTGGAAC AATCCCTGTG CTTTATAGAG GTAATACATA CAATATTCCA 300  
ATATGCCTAT GGCTACTGGA CACATACCCA TATAATCCCC CTATCTGTTT TGTAAAGCCT 360  
ACTAGTTCAA TGAATTTAA AACAGGAAAG CATGTTGATG CAAATGGGAA GATATATCTT 420  
CCTTATCTAC ATGAATGGAA ACACCCACAG TCAGACTTGT TGGGGCTTAT TCAGGTCTAT 480  
ATTGTGGTAT TTGGAGATGA ACCTCCAGTC TTCTCTCGTC CTATTTCCGC ATCTATCCG 540  
CCATACCAGG CAACGGGGCC ACCAAATACT TCCTACATGN CCAGCATGCC AGGTGGAATC 600  
TCTCCATACC CATNNGGATA CNCTCCANT CCCAGTGGGT ACCCAGCT 648

Name: 191 Len: 339 Check: 127B  
GCTGTTTTAAG CTCAGGCTAA AGATGATATA AATAGAGGTG CACCATCCAT CACATCTGTC 60  
ACACCAAGAG GACTGTGCAG AGATGAGGAA GACACCTCTT TTGAATCACT TTCTAAATTC 120  
AATGTCAAGT TTCCACCTAT GGACAATGAC TCACTTTCT TACATAGCAC TCCAGAGAGA 180  
CCCGGCATCC TTAGTCCTGC CAGCTCTGAG GCAGTGTGCC AAGAGAAAT TAATATGGAG 240  
TTCAGAGACA ACCCAGGGAA CTTTGTAAA ACAGAAGAAA CTTTATTTGA AATTCAGGGA 300  
ATTGACCCCA TAGCTTCAGC TATACAAAAC CTAAAAACA 339

Name: 192 Len: 252 Check: 1228  
TGATAGTGAT GGATGGACGC CGCTGCACTG CGCTGCCCTCT TGTAACAGCG TTCACCTCTG 60  
CAACAGCGTG GTGGAGAGTG GTGCCGCCAT TTTTNCCTCA ACCATAAGCG ACATTGAAAC 120  
TGCTGCAGAC AAGTGTGAGG NGATGGAGGA AGGCTACATC CAGTGCTCCC AGTTTCTATA 180  
TGGGGTGCAG GTGAAGCTGG GTGTGATGAA CAAAGGTGTG GCNNATGCTC TGTGGGACTA 240  
CGAGGCCAG AA 252

Name: 193 Len: 272 Check: 27D  
GACAAACAGG ACTACCCGCA GCCCTCGGAC CTGTCCACCT TTGTAAACGA GACCAAATTC 60  
AGTTCAACCA CTGAGGAGTT GGATTACAGA AACTCCTATG AAATGAATA TATGGAGAAA 120  
ATTGGCTCCT CTTACCTCA GGACGACGAT GCCCGAAGA AGCAGGCCCT GTACCTTATG 180  
TTTGACACTT CTCAGGAGAG CCCTGTCAAG TCATCTCCCG TCCGCATGTC AGAGTCCCCG 240  
ACGCCGTGTT CAGGSTCAAG TTTTGAAGAG AC 272

Name: 194 Len: 334 Check: 19FD  
GAGANCCTGG AAAAATTAAC CACATGAGAN ACGATACACT AGCCAGATG TTGACGTGG 60  
GAAATATCCG TNCCTGGCAAC AAAATGATTG TATGGAAC GTGTGCAGGC TTGGTGTGG 120  
GTGCAATGAT GGAACGAATG GGAGGTTTG GCTCCATTAT TCAGCTATAC CCTGGAGGAG 180  
GACCTGTTCC GGCAGCAACA GCATGTTTTG GATTTCCCAA ATCTTTTCTC AGTGGTCTT 240  
ATGAATCCC TCTCAACAAA GTGGGACAGT CTCTACATG GAACATTTTC TGCCAAGATG 300  
TTATCTTCAG AGCCAAAAGA CAGTGCTTTG GTTG 334

Name: 195 Len: 352 Check: 13BF  
TTTTGTTTT GTCAAATGTT TTATTGAGTG TAGACATCTG GAGTACTGTA AAACATGCAT 60  
TATCTGTAGA TTCAAAAGG AGCAAGCCAC ATTGTCTCA CTGTCAAATG TGTGAGGCTT 120



17

GGCATACATG ATGGAGATTA ATGAAGTATC ATGAGAGTAA TATGGTTCCT GAAAAGCTTC 180  
 TACAATTTGG AGTAGGGTCT TAATCACGTG AAAAAGCAAA CTGTTTACAT TTAGTGAACC 240  
 TGCATTTTCAAT GGAGGGGGGG GGGTACACAN TATTTTAATT TTAAACAAA TAAAAATAAT 300  
 TTGTTTGTCA AAGATTCCCA TCTCCCCAAC TTTATTTGTC GCATTGGTTT TC 352  
 Name: 196 Len: 355 Check: 9AF  
 TTATGAAGAA GAAATTTATC ATTTTAAGAA AGAACITTCGA GAACCACAAAT TTCGGGATGC 60  
 TGAGGAAAAG TATAGAGAAA TGATGATTGT TATGAGGACA ACAGAACTTG TGAACAAGGA 120  
 TCTGGATATT TATTATAAGA CTCTTGACCA AGCAATAATG AAATTTTACA GTATGAAAAT 180  
 GGAAGAAATC AATAAAATTA TACGTGACCT GTGGCGAAGT ACCTATCGTG GACAGATAT 240  
 TGAATACATA GAAATACGGT CTGATGCCGA TGAAAATGTA TCAGCTTCTG ATAAAAGGCG 300  
 GAATTATAAC TACCGAGTGG TGATGCTGAA GGGAGACACA GCCTTGGATA TGCGA 355  
 Name: 197 Len: 456 Check: A6C  
 GCACGAGTCT ACATCCAGAG GACCAAGAGC ATGTTCCAGA GGACCACGTA CAAGTATGAG 60  
 ATGATTAACA AGCAGAAATGA GCAGATGCAT GCGCTGCTGG CCATTGCCCT CACGATGTAC 120  
 CCCATGCCGA TTGATGAGAG CATTACCTC CAGCTGCCGG AGAAATATGG GGACAAGATG 180  
 TTGCGCATGC AGAAGGTTGA CCCACAAGTC TATGAAGAAC TTTTCAGTTA CTCTGCCCTC 240  
 AAGTTCCCTGT CGCCTGTAGT GCGCAACTAT GATAATGTGC ACCCCAACTA CCACAAAGAG 300  
 CCCTTCCTGC AGCAGCTGAA GGTGTTTTCT CATGAAGTAC AGCAGCAGGC CCAGCTTTCA 360  
 ACCATCCGCA GCTTCTGAA GCTCTACACC ACCATGCCCTG TGGCCAAGCT GGCTGGCTTC 420  
 CTGGACCTCA CAGAGCAGGA GTTCCGGATC CAGCTT 456  
 Name: 198 Len: 422 Check: 1FAE  
 GCACGAGATA CTGTGAAATA CCTTTTCTCA CAAAAGGCA AATATTGAAG TTGTTTATCA 60  
 ACTTCGCTAG AAAAAAAAAA CACTTGGCAT ACAAATATT TAAGTGAAGG AGAAGTCTAA 120  
 CGCTGAAGTG ACAATGAAGG GAAATGTGTT ATGTGTTATG AACATCCAAG TCTTTCTTCT 180  
 TTTTAAAGTT GTCAAAGAAG CTTCCACAAA ATTAGAAAGG ACAACAGTTC TGAGCTGTAA 240  
 TTTCGCCCTA AACTCTGGAC ACTCTATATG TAGTGCATTT TTAACCTGA AATATATAAT 300  
 ATTCAGCCAG CTTAAACCCA TACAATGTAT GTACAATACA ATGTACAATT ATGTCTCTTG 360  
 AGCATCAATC TTGTTACTGC TGATTCTTGT AAATCTTTTT GCTTCTACTT TCATCTTAAA 420  
 CT 422  
 Name: 199 Len: 446 Check: 1C55  
 CGATGGAGAC ATCAAACAAG AGCCAGGAAT GTATCGGGAA GGACCCACAT ACCAACGGCG 60  
 AGGATCACTT CAGCTCTGGC AGTTTTTGGT AGCTCTTCTG GATGACCCTT CAAATCTCA 120  
 TTTTATTGCC TGGACTGTGC GAGGCATGGA ATTTAAACTG ATTGAGCCTG AAGAGGTGGC 180  
 CCGACGTTGG GGCATTGAGA AAAACAGGCC AGCTATGAAC TATGATAAAC TTAGCCGTTT 240  
 ACTCCGCTAT TACTATGAGA AAGGAATTAT GCAAAAGGTG GCTGGAGAGA GATATGTCTA 300  
 CAAGTTTGTG TGTGATCCAG AAGCCCTTTT CTCCATGGCC TTTCCAGATA ATCAGCGTCC 360  
 ACTGCTGAAG ACAGACATGG AACGTACAT CAACGAGGAG GACACAGTGC CTCTTTCTCA 420  
 CTTTGATGAG AGCATGGCCT ACATGC 446  
 Name: 2 Len: 352 Check: FBA  
 CATGGCATGC AGAGGATCTA CAAAATGGGT TCACCAGGCC TGTCTACAAC GCTGGGTGGA 60  
 TGAAAAGCAA ACAGGAAACA GTACAGCCAG AGTGGCATGT CCTCAGTGCA ATGCTGAATA 120  
 CCTAATAGTT TTTCCAAAAT TGGGTCCAGT GGTTTACGTC TTGGATCTTG CAGATAGACT 180  
 GATCTCAAAA GCCTGTCCAT TTGCTGCAGC AGGAATAATG GTCGGCTCTA TCTATTGGAC 240  
 AGCTGTGACT TATGGAGCAG TGACAGTGAT GCAGGTGTA GGTCAATAAG AAGGTCTGGA 300  
 TGTTATGGAG AGAGCTGATC CTTTATTCCT TTTAATTTGG GACTTCCTAC TA 352  
 Name: 20 Len: 1558 Check: F16  
 AGGAGGCCGC GCGGNGCAG GCGGCGACT GCCTGCCTGC CTGGGTTGCG GAAGTGATAG 60  
 CCGCCGACCG AGCCTGCTGC TTTCTTGCTA CTGCTTCGSC TTCCCGCCTA CTTCCCCCGG 120  
 ACGGTGAAGG CGGCCAGCT GTGGATGGTC AGATAGCCCT TGTCTCCCGC CGCCAATCTC 180  
 TGGCCCCTAG CAGCACGGAG CAGACGGCGG CAGCAGCAGC AGCAGGCGAG GAGGAAGATG 240  
 GCGGGACGGC TGCCGGCCTG TGTGGTGGAC TGTGGCACGG GGTATACAAA ACTAGGATAT 300  
 GCTGGAAATA CAGAACCACA GTTATCATC CCTTCTGTGTA TTGATGACC TAGACTTCTT 420  
 AAAGTGGGTG ATCAAGCTCA AAGGAGGGTG ATGAAAGGTG ACATAATTGCA ACAGAGTTGG CCCAATCCGC 480  
 CCATTGNGTG ATGAAGCAAT AGAAAAACCT ACATAATTGCA ACAGAGTTGG CCCAATCCGC 540  
 CATGGTATAG TNTGAAGATT GGGACTTTAA TGGAAAGGTT TATGGAGCAA GTGACTTTTT 600  
 AAATATTTTA NGGGCAGAAC CCTGAAGACC ATTATTTTCT TTTGACTGAA CCTCCATTGA 660  
 ATACTCCAGA AAACAGGGAA TATACTGCTG AAATAATGTT TGAGTCCCTC AATGTTCCAG 720  
 GCTGTGACAT TGCTGTGCAG GCTGTTCTTG CCTTATCTGC ATCTTGGACC TCAAGACAAG 780  
 TAGGAGANCG GACGTTGACC GGTNCGGTAA TAGACAGTGG AGATGGTGTG ACTCATGTCA 840  
 TTCCTGTGGC TGAAGGGTAT GTGATTGGCA GCTGTATTAA ACACATTCCA ATCCGAGGGA 900  
 CCGAAGATAT AACCAATATT TAATTCAAGC AACCTGCTGA GAGACCCGAG AAGTAGGGAA 960  
 TCCCTCCAAG AACCAACCTT TGGAAACCTG CTAAGGCAGT AAAGGAGCGC TATAGTTATG 1020  
 TCTGCCCAGA TTTAGTAANA GAATTTAACA AGTGCTTTTG GAACCTAAGAG CTAGTATCTT

18

GGATTAACCTG ATGCGCTGCTA GTGCTTTCTG ATTACTCGCA TTCTGTTTCT TGCTTTAAAA 1080  
 GAAGAGTAAA GACAAGAGTG TTGGACCACT ATTGCAGTTC TGTAAGTGTCA TTTCTTATAA 1140  
 AAAACNAAAC AACAAACATA ATTTATCCAA ATTGGCATA TTAAGCCCTA ACATTCTAAT 1200  
 AAAGGCACAA ATTTCTTTT AAATACTTGT TTCAGCCTCT TTNACTCTCT TATAAGTTAA 1260  
 CTAATAAATC TATTTTCTTC AGACTTCTGC AATAGTTCTT TAAATCACC ACAGTTAGCA 1320  
 AGCTGACTTT TGTARTGTGC TCNAANACCA ANACTTGTGA ACTTTTAATA TGTTGAGTGC 1390  
 TTTCAITTTG ATAAGTGGAT CTCCATTTGA TATTTTCATT TGNATRACTC ATTTGCAGTC 1440  
 TGGAAATTTT TTTTAGTGCC AGTCCCTGGA CATATCATTG AAAGTTAAT TTCTTTGCAT 1500  
 TTTAAATAT CTGGATTATG GAGGAAAAGT GATGNAATA AATTAACCT GAATTACC 1558

Name: 200 Len: 581 Check: 256  
 CGAAAAGAAA TCAGAAATGG AAAGTGTCTT GGCCAGCTT GATAACTATG GACAGCAAGA 60  
 ACTTGCGGAT CTTTTTGTGA ACTATAATGT AAAATCTCCC ATTACTGGAA ATGATCTATC 120  
 CCCTCCAGTG TCTTTTAACT TAATGTTCAA GACTTTCATT GGGCCTGGAG GAAACATGCC 180  
 TGGGTACTTG AGACCAGAAA CTGCACAGGG GATTTTCTTG AATTTCAAAC GACTTTTGA 240  
 GTTCAACCAA GGAAAGTTGC CTTTTGCTGC TGCCAGATT GGAATTTCTT TTAGAAATGA 300  
 GATCTCCCT CGATCTGGAC TGATCAGAGT CAGAGAATTC ACAATGGCAG AAATTGAGCA 360  
 CTTTGTAGAT CCCAGTGGAG AAAGACCACC CCAAGTTCCA GAATGTGGCA GACCTTCACC 420  
 TTTATTTGTA TTCAGCAAAA GCCCAGGTCA GCGGACAGTC CGCTCGGAAA ATGCGCCTGG 480  
 GAGATGCTGT TGAACAGGGT GTGATTAATA ACACAGTATT AGGCTATTTT ATTGGCCGCA 540  
 TCTACCTCTA CCTCACGAAG GTGGAATATC TTCAGATAAA C 581

Name: 201 Len: 625 Check: 22A8  
 GTCCTGGCCC AGAGCCTGGA CGGGGCTGAA GGACACGGGG GACAGGGCTC CTGGCTTCTT 60  
 CCGCCCCGTC CTGGCCGAGA GCCTGGAGCA TGATGAGCAC TCTTGTCCCT TTAATAAATC 120  
 AAAGCCGCAC CCGCCCTCCC TGGCCAGCAA GAAACCTAAA AGGGAAACAA ACTCTGACAG 180  
 CGTCCCACCT GGCTACGAGC CCATCTCGCT GCTCGAGGCG CTCAACGGCC TCCGGGCTGT 240  
 CTCCCCGGCC ATCCCCCTGG CCCCTCTTTA TGAAGAAATC ACCTATTGAG GCATCTCGGA 300  
 CGGCCTGTCC CAGGCCAGNT GTCCCCCTGC GGCTATCGAC CACATCCTGG ACAGCAGCCC 360  
 CCAGAAAGGC AGGCCGCGAGA GCAAGGCCCC CGACAGCACC CTACGGTCCC CGTCTTCCCC 420  
 CATCCACGAA GAGGATGAGG AGAAGCTCTC CGAGGACGTG GACGCCCTC CCCCAGTGG 480  
 TGGCGCAGAG CTGGCCCTGC GGGAAAGCAG CTCCCCTGAG AGTTTCATAA CAGAAGAGGT 540  
 TGATGAGTCG TCTGTACCA CAAGCAAGGG GACCCGAGCA GCTTCCATTG AGAATGTCTT 600  
 GCANGACAAG CAAGNCCCGA GCACT 625

Name: 202 Len: 806 Check: 1528  
 TCTAGTTTTT GGAATGGAGC CTCGCATCCT ATACAACCCT TTACAAGGCC AGAAATGTAT 60  
 TGTTCAAACA ACTTCATGGT CCCAGTGCTC AAAGACCTGT GGAAGTGGTA TCTCCACACG 120  
 AGTTACCAAT GACAACCCTG AGTGCCGCTT TGTGAAGAA ACCCGGATTT GTGAGGTGCG 180  
 GCCTTGTGGA CAGCCAGTGT ACAGCAGCCT GAAAAAGGGC AAGAAATGCA GCAAGACCAA 240  
 GAAATCCCCC GAACCACTCA GGTTTACTTA CGCTGGATGT TTGAGTGTGA AGAATAACCG 300  
 GOCOAAGTAC TGCGGTTCCT GCGTGGACGG CCGATGCTGC ACGCCCCAGC TGACCAGGAC 360  
 TGTGAAGATG CGGTTCCGCT GCGAAGATGG GGAGACATTT TCCAAGAACG TCATGATGAT 420  
 CCAGTCTGTC AAATGCAACT ACAACTGCCC GCATGCCAAT GAAGCAGCGT TTCCCTTCTA 480  
 CAGGCTGTTT AATGACATTC ACAATTTAG GACTAAATG CTACCTGGGT TTCCAGGGCA 540  
 CACCTAGACA AACAAGGGAG AAGATGTCAG AATCAGAATC ATGGAGAAAA TGGGCGGGGG 600  
 TGGTGTGGGT GATGGGACTC ANTGTAGAAA GGAAGCCTTG CTCANTCCTG AGGANCANTA 660  
 AGGTATTTTC AACTTGCCAA GGGTGTGCTT GCGGATGGAC ACTAANGCAG CCACGATTGG 720  
 AGAATACTTT GCNTCATAGT ANTGGAGCAC AGTTACNGCT CAATTTGGAG CNTGTGGAAT 780  
 TGAGACTTCC NGNTTCCGGT TGAAAT 806

Name: 203 Len: 489 Check: 610  
 GCACGAGCGG CACGAGTTTC ATTTTCCAA AAGAGAAAAA AATGACAAAA GGTGAAACTT 60  
 ACATACAAAT ATTACCTCAT TTGTTGTGTG ACTGAGTAAA GAATTTTGG ATCAAGCGGA 120  
 AAGAGTTTAA GTGCTAACA AACTTAAAGC TACTGTAGTA CCTAAAAAGT CAGTGTGTGA 180  
 CATAGCATAA AAACCTGCA GAGAAGTATT CCCAATAAGG AAATAGCATT GAAATGTTAA 240  
 ATACAATTTT TGAAAGTTAT GTTTTTTTC TATCATCTGG TATACCATTG CTTTATTTT 300  
 ATAAATTTT TTCTCATTGC CATTGGAATA GATACTCAG ATTGTGTAGA TATGCTATTT 360  
 AAATAATTTA TCAGGAATA CTGCCTGTAG AGTTAGTATT TCTATTTTAA TATAATGTTT 420  
 GCACACTGAA TTGAAGAATT GTTGGTTTTT TCTTTTTTTT GTTTNGNNTT TTTTTTTTTT 480  
 TTTTTTTT

Name: 204 Len: 403 Check: 20BF  
 CAAGCTCAGA AGGGTCATCT CAGAGTTTAC TCTCTCTGT ACTCATTGGT GGAAACCATT 60  
 TGATCACTGC AGGTGTGCCA AGGCGAAGTA AAAGAAATGC AGGCAAAAAA GTTGTGCAG 120  
 TGGAAATCAGG AAAAGCAGGC TGCTTTTCTC CTAAATCAA GCCATAAAGA AAAGGTTCG 180  
 AAGATCTCTG CCGTTTGAAA TTCAATCTAG GGAATAATGG CAGAGAASTA AATGGGATGT 240  
 TCTGGTGTCA ATAGGATATT GAAAGTGTG GTTGGGCGAC TTGCAATCA ACAAGTTTA 300

AAAAATCCGA ATTNGAATCT GTAAAAACAG GTTTGCTTTT TAAGCCCAGN ATGTTGGATT 360  
GGAAAAANGT TACCANAAGA AAGGGGTTCA AGAAAAAGGA TCA 403

Name: 205 Len: 462 Check: 1820  
TTTACAGGTA CACAATTTAA TATTATTAT ATGCATTTTA TATACATTAT TTTTCAACAG 60  
CTGTAIGTTT GCTATGTGGT ACAAATCTTAA AAATTTGCTG ATTCATAGTT TGTAACAA 120  
AAACCTTACA AAACCTCATCA AAACCTCGCAA ACTGATCAGA AAAGTTTCTC GGAAGACTAG 180  
AAAAAATACT TTATTGTCTT AATCATGSCAT TACACAAACA AAATCTTTAG TTACACCATA 240  
AAATTAAGCA CATCTAAAAA AATAAAACAG GGATAACTAG TCAAAACACA GCAGATTTCT 300  
GTATCCTGAT TCAACTATTT TTGTATCCTA TTTGTAATGC AAATAAAACT TTACTCCAAA 360  
TATTTTTTAA CAAGTTAGTT TTGTTTGGAA TCATGGTAAA CCAAGATATA TATCTTAGGG 420  
GGAACCACCT TGGTTTGTAA TTTAAACTAT AAAATACTCC AT 462

Name: 206 Len: 724 Check: 2100  
GTCAGGGGCT GTAGCAAGTA CATTAGCTTC AAGTTCCTTA ACTTGGACAT TCAAATATTC 60  
TTCTTGCTCT AITAAACGCT GGATGCTTGC AGTAAATTTT TCTAGTGTG TCCTCATTTT 120  
TCGTTCACTA TGCCGTAAC TAACTACTCT TTCTTCAAGT TGTACTTTCT GTTCTTGGAT 180  
TTGCATTGCT TTTTGTAGAGT CGTTTTGCAA CTGTGATTCC ATTTTGTFTA CCTCTTCTTC 240  
AGAGATTTCA ATAACAAGTG AGGAACCCAT TCTTCCCTTC ATTACTTTGC TTCCACCACC 300  
AGTCATTGTA CCTGACTGTT CTATGATTTG TCCCTGTAAA GTTACCACTC TCCATCTTCT 360  
ATCTTTTTGA TATGCTACTC TTGTGGCTTG ATCCAAGTTG TCAGCTACTA AGGTATCTCG 420  
TAAAGCAAAA TAAAAAGCTT GGCGAATTTT CTCATCTTTT ACTTTTACTA AATCAAATAA 480  
ACGAGGAGTA TTTTCAGGAG TTTGAATTTT GGTCTCTTTT TTCGCCATA CAGCCATCTT 540  
ATCTAAACCT ATAAAAGTTG CAACTCCAAT ATTTTGTCT TTTAAGGAAG TTACACATTT 600  
CTTGGGCTAT ATCAAATAGA TCAACCAACA ATGTAGTCCA GTGCATGACA ACAGGATGAT 660  
ATAACCACCT CGGATTTTTT ATTAATGGGT TCTAAGGCC CAATCGTCCA TATATTTCTG 720  
GAAC 724

Name: 207 Len: 371 Check: 1633  
CCTCGTGCAA GTTANAGGTT CGCNGGNTG CAGACCTCAC AGAAGATCAG CTACCCTCCT 60  
GTGAGAGTCT GAAGGATACT ATTGCCAGAG CTCTGCCCTT CTGGATGAA GAAATAGTTC 120  
CCCAGATCAA GGAGGGGAAA CGTGTACTGA TTGCAGCCCA TGGCAACAGC CTCCGGGGCA 180  
TTGTCAAGCA TCTGGAGGGT CTCTCTGAAG AGGCTATCAT GGAGCTGAAC CTGCCGACTG 240  
GTATTTCCAT TGTCTATGAA TTGGACAAGA ACTTGAAGCC TATCAAGCCC ATGCAGTTTC 300  
TGGGGGATGA AGAGACGGTG CGCAAAGCCA TGGAAAGCTGT GGCTGCCAG GGCAAGGCCA 360  
AGAAGTGAAG G 371

Name: 208 Len: 359 Check: 57A  
CGGCCATCAC CTCATTCCTG TCAAGGAGAA CCTCGTTGAC AAAATCTGGA CAGACCGTCC 60  
TGAGCGCCCT TGCAAGCCTC TCCTCACACT GGGCCTGGAT TACACAGSCA TCTCCTGGAA 120  
GGACAAGGTT GCAGACCTTC GGTGAAAAT GGCTGAGAGG AACGTCATGT GGTTTGTGGT 180  
CACTGCCTTG GATGAGATTG CGTGGCTATT TAATCTCCGA GGATCAGATG TGGAGCACAA 240  
TCCAGTATTT TNNTCCTACG CAATCATAGG ACTTAGAGAC GGTCTGCTC TTCATTGATG 300  
GTGACCGCAT AGACGGCCCC AGTGTGAAG GAGCACCTGN TTTCTTTAAC TTGGGCTTG 359

Name: 209 Len: 353 Check: 22DB  
TGGCACGAGG CCGTGTCCAA GATGTTTTCA GTTCAACACA CAGTCTCCTC CATTATTTTG 60  
ATCGTCTGAT TCTTACCGGA GCCGAAAGCA AAAGTAATGG GGAAGAGGGC TATGGCCGGA 120  
GCTTGAGATA CGCCGCTCTG AATCTTGCCG CCTGCACTG CCGCTTCGGT CACTATCAAC 180  
AGGCAGAGCT CGCCCTGCAG GAGGCAATTA GGATTGCCCC GGAGTCCAAC GATCACSTGT 240  
GTCTCCAGCA CTGTTTGAGC TGGCTTTATG TGCTGGGGCA GAAGAGATCC GATAGCTATG 300  
TTCTGCTGGA GCATTCTGTG AAGANGGCAG TACATTTTGG GGTACCGTA CCT 353

Name: 21 Len: 561 Check: 1425  
AGCCAGGTTT CCGAGGTGCT GAGAAGNCAN GAAACTCCGC AGACTACTCC TCAGAGAGCA 60  
AAAAGCAGAA AACTGAAGAA AAGGAATTTG CAGCTCGTTA TGACAGCGAT GGTGAGAAAA 120  
GTGATGACAA CTTGGTGGTT GACGTTTCCA ATGAGGATCC ATCTTCCCT CGAGGGAGCC 180  
CAGCACATTC CCCCAGAGAG AATGGCCTAG ACAAGACACG CCTGCTCAAG AAAGATGCCC 240  
CGATTAGTCC AGCCTCTATT GCATCTTCCA GCAGTACTCC CTCCTCCAAA TCCAAAGAAC 300  
TTAGCCTTAA TGAAAAATCT ACTACTCCCG TCTCAAAGTC CAATACCCCT TACTCCACGA 360  
ACTGATGCNG CCAACCCACG GCAGTAATC TANTCCCGGG ATTTGAGGCC TTGTANCTGG 420  
GAAAACCACC AGGAGTTGGA CCTTTTGGGC TCAAGCCTAA GGACCCCAAT GGGAGTACC 480  
TTTGTCCATA TNCAANTCCA TTTGGGGATT GTGCCATGC TGAATGAAC GGGGAGCTGA 540  
NCAGCCCGGG NGCGGGCTAC G 561

Name: 210 Len: 651 Check: EC9  
TTTTTTTGAC TGTCTTCACA TTAATGGAGA TTGGTGATTT CTCTTCAGCT TTTACTTCTC 60  
TTGGTGATGA TGGCTTGGAG GCTGGAGAAA ATCCACCCAG GGTGAAAGG GCTGGAGTTC 120  
CATCCGGATT CAATCCCTTT GCTTTTAAAT TGGCTTCTTG TAAGGCTACT TTTCTTTTTT 180  
CTACTTCTTT TTCCAGTAAT TCATAGTTTG GCTTTTTTCT GGTATAAAGC CTAAGTGTTT 240

20

CTATGCAGAT TTCCTGGATT TCCTCTTCTG TAGTACCAA AAGAAGAAAC CAATGGGGAC 300  
 GAGTTGGCAA CGGAATCTGA AGTGCTCTAG CTGCAAGGTA GATGCAAGCA CATGCTATAG 360  
 TCTCTGGTTG AAATCGAACA AACACATTGG TTCGAAGACT GTCATTCTAG TAATTCCAGG 420  
 CAGTTTGAAC CAGGGTTTGA TTACGTTTAC ATTCTAAGAC TTGTAAATAC ATAACAATGA 480  
 TCTTATGAGG ATGCTTGACA TGAACACAAA ATCCCAACTC CTTTAGCACC CTCCTCTCTG 540  
 CTTTGATAAC TTGATTTTTG GTGTTAATGT AGTTCTGATC AAGGATCACG GGGCTTGGAG 600  
 TCTTTTTCCT TTTAACTGGC GGAGGTGGTG GAATACATTA ATCATCTCTC T 651

Name: 211 Len: 789 Check: F55  
 CAAGAGCACT ACATGANGGG CTCTGACGGC GCGGCGGACA CTGGGTACCT GTGGCATGTT 60  
 CCATTGACAT CCATCACCAG CPAATCCAAC ATGNNCCAIC GATTTTTGCT AAAAACAAAA 120  
 ACAGATGTGC TCATCCTCCC AGAAGAGGTG GAATGGATCA AATTTAATGT GGGCATGAAT 180  
 GGCTATTACA TTGTGCATTA CGAGGATGAT GGATGGGACT CTTTGACTGG CCTTTTANAA 240  
 GGAACACACA CAGCAGCCAG CAGTAATGAT CCGGCAAGTC TCATTAACAA TGCATTTTCA 300  
 CTCGTCAGCA TTGGGAAGCT GTCCATTGAA RAGGCCTTGG ATTTATCCCT GTACTTGAAA 360  
 CATGAAACTG AAATTTATGCC CGTGTTCCTA GGTTTGAATG AGCTGATTC TATGTATAAG 420  
 TTAATGGAGA AAAGAGATAT GAATGAAGTG GAAATCAAT TCAAGGCCTT CCTCATCAGG 480  
 CTGCTAAGGG ACCTCATTTA TAAACAGACA TGGACAGAG AGGGCTCAGT CTCAGAGCAA 540  
 ATGCTGCGGA GTGAACACT ACTCCTCGCC TGTGTGCACA ACTATCAGCC GTGCGTACAG 600  
 AGGGCAGAAG GCTATTTTCA AAGTGGGAG GAATCCAATG GAAACTTGAG CCTGCCCTGTC 660  
 GACGTGACCT TGGCAGTGTG TGCTGTGGGG GCGGAGAGCA CAGAAGGCTG GGATTTTCTT 720  
 TATAGTAAAT ATCAGTTTTT TTTGTCCAGT ACTGAGAAAA GCCAAANTGA ATTTNCCCTC 780  
 TTCAGAACA

Name: 212 Len: 457 Check: D31  
 CAATTAAGGG CTTTGGCGGG ATTGGCTCCG CGTTTGGGCT GGTCCGCTGC TCCCCACCTA 60  
 CCAGGGTCCG ATCCGGAGCC CTTCCCCGCG GGGCGGGGAC CTCCAAACAA CCGACTCCTT 120  
 TCCAGCTGAA GAACACCTTA AATTCTGGAA ATAGCGACTC AGTATCATGG CCAGCAGCCT 180  
 TAATGAAGAT CCAGAAGGAA GCAGAATCAC TTATGTGAAA GGAGACCTTT TTGCATGCCC 240  
 GAAACAGAC TCTTTAGCCC ACTGTATCAG TGAGGATTGT CGCATGGGCG CTGGGATAGC 300  
 TGTCCTCTTT AAGAAGAAAT TTGGAGGGGT GCAAGAACTT TTAATCAAC AAAAGAAATC 360  
 TGGAGAAGTG GCTGTCTTGA AGAGAGATGG GCGATATATA TATTACTTGA TTACAAGAA 420  
 AAGGGCTTCG CACAAGCCAA CTTATGAAA CTTACAG 457

Name: 213 Len: 727 Check: 30C  
 TTTTTTTGCT GGTAATATAT TGCTGCACTG AGTGTGTGCA ATTTTATTTC AAGGTCATCG 60  
 TGATGCTGAG AAGTTTTCGTT GATAACCTGT CCATCTCTAG TTTCAACCGT CTTAATCAGA 120  
 AGTGTCCCTT TTGAGTGGGT ATCAACCAGA GGGAGTGAAT CCAGATTAGT TTCCCTCAGG 180  
 TTCAGGGAGG AAAAGTTTGG AAGAGGCAGA GAAATCCTGC TCTCCTCGCC TTCCAGCAGC 240  
 TTCCTGTAGG TGGCAATCTC AATGTCAAG GCCATCTTAA CATTGAGCAG GTCTTGGTAT 300  
 TCACGAAGGT GACGAGCCAT TTCCTCCTTC ATATCTGAA TCTCATCTTG CAGGCGGCCA 360  
 ATAGTGTCTT GGTAGTTAGC AGCTTCAACG GCAAAGTTCT CTTCCATTTC ACGCATCTGG 420  
 CGTTCCAGGG ACTCATTTGT TCCTTTAAGG GCATCCACTT CACAGGTGAG GGACTGCACC 480  
 TGCTCCGGT ACTCAGTGGA CTCCTGCTTT GCTGTGGCGA GGGCGTCATT GTTCCGGTTG 540  
 GCAGCCTCAG AGAGGTCAGC AAAGTTGGAT TTGTACCATT CTTCTGCCTC CTGCAAGTTC 600  
 TTGGCAGCCA CACTTTTATT TTGCTGACGT ACGTCACGCA GGGCAGCCTG GAGGTCAAGC 660  
 TTGGAACAT CCACATCGAT TTGGACATGC TGTTCCTGGA TCTGAGCCTT GCGCTTCTGG 720  
 ATTTCTT

Name: 214 Len: 622 Check: 19DE  
 GCTCCTGTCA GTACACACTC CCAAACAGTT AAACCCAGCT CTAATTCCAA CTCTGCAAGA 60  
 GCTTTTAAGC AAATGCAGGA CTTGTCTGCA ACAGAGAAAC TCACTCCAAG AGCAAGAAGC 120  
 CAAAGAAAGA AAAATAAAG ATGATGAAG AGCAACTCCC ATTAAGAGG GCGGTGTTAG 180  
 CAGTGATGAG GAGCACACTG TAGACAGCTG CATCAGTGAC ATGAAACAG AAACAGGGA 240  
 GGTCTTGACC CCAACGAGCA CTTCTGACAA TGAGACCAGA GACTCCTCAA TTATTGATCC 300  
 AGGAACATGAG CAAGATCTTC CTTCCCTGTA AAATAGTTCT GTTAAAGAA ACCGAATGGA 360  
 AGTTCCATCT TCGTFTTCAG AAGACATGTC AAATATCAGG TCACAGCATG CAGAAGAGA 420  
 GTCCAACAAT GGTAGATATG ACGATTGTAA AGAATTTAA GACCTCCACT GTTCCAGGA 480  
 TTCTACCCTA GCTGAGGAAG AATCTGAGT CCCTTCTACT TCTATCTCTG CAGTTCTGTC 540  
 TGACTTAGCT GACTTGAGAA GCTGTGATGG CCAAGCTTTG CCCTTCCAGG ACCCTGAGGT 600  
 TGCTTTATCT CTCAGTTGTG GC 622

Name: 215 Len: 448 Check: EDC  
 ATAGTTAAAC AACTTTATTA ACATAGTCAA GCAGTGATTA ACATTCACAT CTATTATGTC 60  
 ACATCATACA AATGTAAATA CAAAATTACT ACAGTACAAT ATATATTCTC TGCATGATCC 120  
 AAAATATTTG GTGGCCCCAA AAAACTCTCT TTAATTTCA GCAGCTTATC AAAAATTA 180  
 ACCGTATTCT ATTTAAATG GAGATCTGTT AGCACAGAGT TAGACTTCAA GAAATATCAA 240  
 TTAGTACAG TTTGAGAAGT TGCAGGAGGA TATGTTTGAA GGACACATTC TAACATAGTG 300

2.1

TGGCAGGTAC AGGAAACATC AGATTTAAAG CTTTAAAGCA TAACTCATAC AACCTAAGTT 360  
 GTCAGCAGAA AGATCCAGTT ATATTTGTAA CTAAAGCTAA TGCTACTAAA TTATTGCACC 420  
 CAATGTTAAC ATATTAAGTG TAAAACTG 448  
 Name: 216 Len: 595 Check: D48  
 TCTGTCTTAA TGTATCATTA AGCTCCTTAA AATACTGGAG AACAGCTTCC TTATCGCCTT 60  
 GGATCATTTT CTCAGAATGA GATTTTGTG CTTTCAGCTT TTCAATAAGA TGGGTAAGAT 120  
 CTGTCCAGTG TGTGTCAGTC AACTGTTCAA GCAGTTTTGG AGGAGTGTC TTTTCTTTCA 180  
 AATAGGCACT TTGAAGGTCA TCTATAGGAT GACCATGATG TTGACCTATG GTAAGGCAAT 240  
 GACCACAAAC TAATTTTTTA TCTAATAGAC AGTAAACAT TAATGGTTGC CTGTAATGTT 300  
 CAGGGCAGGT GACAATATCT GGATGGTCTT CTTGCTGGTA CTTTTCAATA ATAGCCCTTA 360  
 GTGCAAAAT AACAGGTAAA GATTCAATGC CAGTTGGAGC AATTTCACTA AACTTCTGCT 420  
 AATTAGGGCA CTTGAGTGGG ATTCGTAAAG GTCTCCATAT ATAAAAGTTA CCAGATGCCT 480  
 GAAGAATGTT TTCCAAACAA TTTCTACAAA ATGTATGAGA GCATGGCAGT ACACGAGGAT 540  
 CTTCAAAAT ACTATAACAT ATGGGACAAG TTAATCTCTG CTCANAATTG TGCAAT 595  
 Name: 217 Len: 153 Check: 330  
 AAGTGGGTGG GCTTGCCAAG CTCGACACCA GTGCGACTGA GGCCAGGGCC CTCGGCCTTC 60  
 ACCTTACTGG CGTCATGAGA GGGCTCCACC TTGACTCGGA TGGGGCTGGT GGGCGTGGCC 120  
 TGGTCAGCAA AGAGGACCAT AATGGTGTAG CTG 153  
 Name: 218 Len: 446 Check: 9BD  
 TAGATGGCTA CTTCCGGCTC ACAGCAGATG CCCATCATTA CCTCTGCACC GACGTGGCCC 60  
 CCCCCTTTGAT CGTCCACAAC ATACAGAATG GCTGTCTATG TCCATCTGT ACAGAATACG 120  
 CCATCAATAA ATTGCGGCAA GAAGGAAGCG AGGAGGGGAT GTACGTGCTG AGGTGGAGCT 180  
 GCACCGACTT TGACAACATC CTCATGACCG TCACCTGCTT TGAGAAGTCT GAGCAGGTGC 240  
 AGGGTGCCCA GAAGCAGTTC AAGAACTTTC AGATCGAGGT GCAGAAGGSC CGCTACAGTC 300  
 TGCAAGGTTT GGACCGCAGC TTCCCCAGCT TGGGAGACCT CATGAGCCAC CTCAAGAAGC 360  
 AGATCCTGCG CACGGATAAC ATCAGCTTCA TGCTAAAACG CTGCTGCCAG CCCAAGCCCC 420  
 GAGAAATCTC CAACCTGCTG GTGGCT 446  
 Name: 219 Len: 581 Check: A7F  
 ACGGATAGCG GATCTGCGAC AGGGGCTGCT GGACATCAGC AACCATTTCA TCCCCTCTGC 60  
 TGGGCACCTT GGCTGGTAGA CTATTTTCCA TCCGAGTCTC CTCTTCAGCT TTTTCCGTTT 120  
 GCTCAGTTTT TGGTTCATCT TTCCTCTCAA ACTGTGATGC TTCCTGAGAC TGATGGTCTG 180  
 AAGGAGTACC TGGTCTAGCA GATGATGATG AGGTCTGGGG AGTTTCTCA CTAGCTTCAA 240  
 CTCCTACTCT ATCTGTTTTT TCTCCTTCTT TCTTATTTGT CTTATCGGGT TCTTTGGCCT 300  
 CTTCAATTAT GCTACCTTCA GATCAGAGC ACTCCTCCCC TTCGTCCACA GGCCGGAAGT 360  
 CCATCTCCTG CTCTTCTGGA ATAGGCTCTT TCTGTACTTT TTTTAGAGAA AGGAATGCTC 420  
 CAGATGAGTC AAATGTACCC ATTTCTTCTT CAGCATCCTC TAAGCACCAT TCGGGCAAGC 480  
 TATCCCTGTC ATCATCTATG CTTCCACTGC CAGAGCGAAC CCGATAAGAC AAATAAGAAA 540  
 GAAGGAGAGA AAACAGATCC GCTAGCAGAT CCGCTATCCG T 581  
 Name: 22 Len: 450 Check: C1B  
 CCAGAGTTTT ACATTACACT TGTCTGTCTT ATAATTGATA TTTTAGGATG TTTGGGTGTT 60  
 TGTACAGGC AGAATTGGAT AGATACAGCC CTACAAATGT ATATGCCCTC CCCTGAAAAA 120  
 AATTGGATGA AAATCTGCAC AGCAAAGTGA AACACACAGA TAATAGGAAC AAAATGTAGT 180  
 TCCCATGTGC CAAACAAAAA AAATGAAATC TCTGCATGTT TGCAGCATAT CTGCCTTTTG 240  
 GGAATGTAAT CAAGGTATAA TCTTTGGCTA GTGTTATGTG CCTGTATTTT TTTAAATGG 300  
 TACACCAGAA AAGGACTGGC AGTCTACTTC TACCATAGTT AAACCTTACC CTCTTTAATT 360  
 TCACAACATA TTCTTTGGAA GCAGGAAGAA ATGCTCATAA AGAGGATCAG ACCTTCTTTC 420  
 CCCTGAAACC AGTATTTGGC GCCATATATA 450  
 Name: 220 Len: 372 Check: B74  
 TTTGAACATA ATAGCAGCAT GTTGGAAATCC GACTTGGGGA CCAATGGTGAT AAACAGTGAG 60  
 GATGAGGAAG AAGAAGATGG AACTATGAAA AGAAATGCAA CCTCACCACA AGTACAAAGA 120  
 CCATCTTTCA TGGACTACTT TGATAAGCAA GACTTCAAGA ATAAGAGTCA CGAAAAGTGT 180  
 AATCAGAACA TGCAATGAACC CTTCCCTATG TCCAAAAACG TTTTCTCTGG ATTAAGTGGG 240  
 AAAGTCCCTC CAAGATGGGA GACTTTTTGA CTTTTTTTGG AAAAATCTTA AGTTTTAGGN 300  
 AGGAACTTAC CAGGTTGCGG GTTTAAAAAG GCACTTGGGA CCCCCATGGT TGGGGAACGG 360  
 GNGGTTAGG GA 372  
 Name: 221 Len: 448 Check: 77C  
 TTTTTTTTTT TTTTATGATG CACTCCAAGT GCCATATGTC TATTTTATTC TTCAGGAAAT 60  
 TATATTTTTT TTTTACAAGA GCACAACAGG AACCAAAGTA AAAGAGTAAT AGATACAGCA 120  
 CTCAGGATAA ATCATATCTT TAAAAATAA ATAAAAAAT TTACACCTTG TCCTATATCC 180  
 TGTATGATAT TGCATAATAT GGCCATGATT GAAAAACAA AAAGCAAGCA TCTACAATTT 240  
 TTTTTGATAA AGACTTTTTA TGCCAGGAAT GGATTAATTA CCAACAAAAT TTATACTAAT 300  
 CAGGCTGATG TCAATCTATT TTTGTAATGT ATCATTAACA AATTTATTTT GGAAAAGATA 360  
 AAAATATTGC CCCTTGATAA TAAATCTTTT TTTCTTTTGA TGCAACACAGC TAGAACACCT 420

22

443

TTTTCTTTTT CTCTTIGATA TTCTAAGA  
 Name: 222 Len: 373 Check: A98  
 GTTGACATG CCGTCGGCCA TGACTGTGTA TGCTCTGGTG GTGGTGTCTT ACTTCCTCAT 60  
 CACCGGAGGA ATAATTTATG ATGTTATTGT TGAACCTCCA AGTGTGCGTT CTATGACTGA 120  
 TGAACATGGG CATCAGAGGC CAGTAGCTTT CTTGGCCTAC AGAGTAAATG GACAATATAT 180  
 TATGGAAGGA CTTCATCCCA GCTTCCTATT TACAATGGGA GGATTAGGTT TCATAATCCT 240  
 GGACCGATCG AATGCACCAA ATATCCCAA ACTCAATAGA TTCCTTCTTC TGTTCAATTG 300  
 ATTCGTCTGT GTCCTATTGA GTTTTTTGAT GGCTAGAGTA TTCATGAGAA TGAAACTGCC 360  
 GGGCTATCTG ATG 373

Name: 223 Len: 386 Check: 824  
 GGCACGAGGC TTCAAGCTAC TGCGGAAATG CATCCTGCAG ATGACCCGGC CTGTGGTGGA 60  
 GGGGTCCCTG GGCAGCCCTC CATTTGAGAA ACCTAATATT GAGCAGGGTG TGCTGAACTT 120  
 TGTGCAGTAC AAGTTTAGTC ACCTGGCTCC CCGGGAGCGG CAGACGATGT TCGAGCTCTC 180  
 AAAGATGTTT TTGCTCTGCC TTAACCTACTG GAAGCTTGAG ACACCTGCCC AGTTTCGGCA 240  
 GAGGTCTCAG GCTGAGGACG TGGCTACCTA CAAGGTCAAT TACACCAGAT GGCTCTGTGA 300  
 CTGCCACGTG CCCCAGAGCT GTGATAGCCT CCCCCGCTAC GAAACCACTC ATGTCTTTGG 360  
 GCGAAGCCTT CTCGGTCCA TTTTCA 386

Name: 224 Len: 593 Check: 1063  
 GGCACGAGGA TTGCACACCT AAACCTTCGA GATCATCAGC TGCCTTTCAA ACATTTAATT 60  
 GGCCAGGTTA TGATTGACAA AAATCCAGGA ATCACCCTCAG CAGTAAATAA AATAAATAAT 120  
 ATTGACAATA TGTACCGAAA TTTCCAAATG SAAGTGCTAT CTGGAGAGCA GAACATGATG 180  
 ACAAAGGTTT GAGAAAACAA CTACACCTAT GAATTTGATT TTTCAAAAGT CTATTGGAAT 240  
 CCTCGTCTGT CTACAGAACA CAGCCGTATC ACAGAACTTC TCAAACCTGG GGATGTCCTA 300  
 TTTGATGTTT TTGCTGGGGT TGGGCCCTTT GCCATTCCAG TAGCAAAAGAA AAAGTGCCT 360  
 GTATTTGCCA ATGATCTCAA TCCTGAATCT CATAAATGGC TGTTGTACAA CTGTAAATTA 420  
 AATAAAGTGG ACCAAAAGGT GAAAGTCTTC AACTTGGATG GGAAGACTT CCTCCAAGGA 480  
 CCAGTCAAAG AAGAGTTAAT GCAGCTGCTG GGTCTGTCAA AAGAAAGAAA ACCCTCTGTG 540  
 CACGTTGTCA TGAACCTGCC AGCAAAAGCT ATAGAGTTTC TTAGTGCTTT CAA 593

Name: 225 Len: 477 Check: 2659  
 GTAAGTTCAG CGCGCCCGCT CCGGCCGGCC CTGCGCCTCC CGCCGCGCCC GGGATGTATT 60  
 CGTCCCCGCT CTGCTCACC CAGGATGAGT TCCACCCGTT CATCGAGGCC CTGCTGCCTC 120  
 ACGTCCGCGC CTTCGCTAC ACCTGGTTCA ACCTGCAGGC GCGGAAGCGC AAGTACTTCA 180  
 AGAAGCACGA GAAGCGGATG TCGAAGGACG AGGAGCGTGC GGTCAAGGAC GAGCTGCTGG 240  
 GCGAGAAGCC CGAGGTCAAG CAGAAGTGGG CGTCCGCGCT GCTGGCCAAG CTGCGCAAGG 300  
 ACATCCGGCC CGAGTGCCGC GAGGACTTCG TGCTGAGCAT CACCGGCAAG AAGGCGCCGG 360  
 GCTGCGTGCT CTCCAACCCC GACCAGAAGG GCAAGATGCG GCGCATCGAC TGTCTCCGGC 420  
 AGGCGGACAA GGTGTGGCGG CTGGACCTGG TCATGCTCAT CCTGTTCAAG GGCATCC 477

Name: 226 Len: 299 Check: DE7  
 GCCAAAGCTC AATACCCCAT TGCTGATTG GTAAAGATGC TCACTGAGCA AGGCAAAAAA 60  
 GTCAGGTTTG GAATTCACCC AGTTGCAGGC CGAATGCCCTG GNCAGCTTAA TGTGCTGCTG 120  
 GCTGAGGCTG GTGTGCCATA TGACATTGTG TTGGAAATGG ATGAGATCAA CCATGATTTT 180  
 CCAGATACTG ATTTGGTCTT TGTAATTGGA GCTAATGACA CTGTTAATTC AGCAGCTCAA 240  
 GAAGATCCCA ACTCTATTAT TGCAGGCATG CCAGTCCTTG AGGTCTGGAA ATCAAAGCA 299

Name: 227 Len: 390 Check: 2565  
 GAGTGAAGGA GTTGAACTT TTCTTGTTAG TGTACAACTC ATTTTGCGCC AATTTTCACA 60  
 AGTGTGTTGTC TTTGTCTGAA TGAGAAGTGA GAAGGTTTTT ATACTCTGGG ATGCAACCGA 120  
 CATGTTCAAA TGTTTGAAAT CCCACAATGT TAGACCAATC TTAAGTTTCG TAAGTTATTT 180  
 CCTTTAAGAT ATATATTAAA CAGAAATCTA AGTAGAACTG CATTGACTAA CCAGTCCCTC 240  
 TGGATGGTGG TGAACCTGAA GCATGCTTTA ACCTCTAAGA CTGTCTAACA CGCGTTTCAT 300  
 TCAATGTCTC CACAGACTGG GTAGCAAAAA AATCACCTTT TAGTTTTAGT TTTAATCTA 360  
 AAGATGTTAG ACAGATGCTG AGTGTGCGTT 390

Name: 228 Len: 423 Check: 1661  
 TTCCTCTGTC GGGTGTGGCC AAGTGGGGAT AAAGAGAAGA GCAACATCTC TAATGACCAG 60  
 CTCCATGCTC TGCTCTGTAT CTACTTGGAG CACACAGAGA GCATTCTGAA GGCCATAGAG 120  
 GAGATTGCTG GTGTGGTGT CCCAGAACTG ATCAACTCTC CTAAAGATGC ATCTTCCCTC 180  
 ACATTCCCTA CACTGACCAG GCACTACTTT GTTGTCTTCT TCCGTGTGAT GATGGCTGAA 240  
 CTAGAGAAGA CCGTGAAAAA ATTGAGCCTG GCACAGCAGC AGACTCGCAG CAGATTTTCT 300  
 GAAGAGAAAC TCCTCTACTG GGAACATGGG CTGTTTCGAGA CTTCAGTATC CTCATTCAAC 360  
 TTGGATTAAA GGTATTTTGA TAGTTCATCC TGTTNCTGGC ATGTATGTTT GGAAGGGAAG 420  
 GAT 423

Name: 229 Len: 417 Check: 1300  
 TAGAAAAGAA AAGAAAACCTT GAACTAATC CTGATATTAA GCCATCAAAT GTGGAACCTA 60  
 TGAAAAGGA GTTTGGGCTT TGCAAACTG AGAACAAAGC CAAGTCGGGC APACAGAATT 120

23

CAAAGAAGCT GTACTGCCAA GAACTTAAAA AGGTGATTGA AGCCTCCGAT GTTGTCCTAG 130  
 AGGTGTTGGA TGCCAGAGAT CCTCTTGTTT GCAGATGTCC TCAGGTAGAA GAGGCCATTG 240  
 TCCAGAGTGG ACAGAAAAAG CTGGTACTTA TATTAAATAA ATCAGATCTG GGTACCAAAG 300  
 GAGGATTTGG GAGAGCTGGG NTAAATTATT TTGAAGGAAA GATTTGCCCA ACAGTGGGTG 360  
 TTTCAGAGCC TCAACCAAAA CCAAAGGGT TAAAGGGGNN GGTTTACCCA SGGTTTC 417

Name: 23 Len: 476 Check: 213A  
 CGTACTGCTT CCGATATGGT ATCGACATCC CGTATCTTAG TTGCAGTAGT GAAGATGTGC 60  
 TATGAGGCTA AAGAATGGGA TTTACTTAAT GAAAATATTA TGCTTTTGTG CAAAAGGCGG 120  
 AGTCAGTTAA AACAAGCTGT TGCCAAAATG GTTCAACAGT GCTGTACTTA TGTTGAGGAA 180  
 ATCAGAGACC TTCCTATCAA ACTTCGATTA ATTGATACTC TACGAATGGT TACCGAAGCA 240  
 AGATTTATGT TGAAATTGAG CGTGCGCGAC TGAATAAAC ATTAGCAACT ATAAAAGAAC 300  
 AAAATGGTGA TGTGAAAGAG GCAGCCTCCA TTTTACAGGA GTTACAGGTG GAAACCTACG 360  
 GGTCAATGGA AAGCAAAGAG CGAGTGGAAAT TTATTTTGGG GCAAATGAGG CTCTGCCTAG 420  
 CTGTGAAGGA TTACATTCGA ACACAAATCA TCAGCAAGAA AATTAACACC CAAATT 476

Name: 230 Len: 441 Check: 1340  
 CAGTTTCATG TATTTGAATC GACAAGACAC CTCCCTCGAT TCTCCATGTA TGCGCTGACC 60  
 AGCCTGGACC CTGCCAGTGA GCCAATCAGT TATGTTAACT TTACCATTGC AGAACGGGCA 120  
 CAGAGGGTGG TTGTATGGCT CGGTGAGAAC TTTCTGTAC CAGAAGACAC TCACATTCAG 180  
 AATGCTCCAT TTCAAGTGTG TTTACATCTT TTACGGAATG GCGGCCANCT GCATATATAA 240  
 ATAAAACCTA GTGGAGAGAT CACTATATAA ACTGATGATA TTGATTTGGC TGGTGATATC 300  
 ATCCAGTCAA TGGCATCATT TTTTGCTATT GAAGACCTTC AAGTAGAAGC GGATTTTCCT 360  
 GTCTATTTTG AGGGAATTAC GGAAAGGTGC TAGTTAAGGT GGATGAATAT CCTTTCAGTG 420  
 CATTGAGAAG CTCCAGTGCT T

Name: 231 Len: 333 Check: 85C  
 GGTGTCCCAG GAAGTCAGCC ATTACTCCCC AGTGGAAATG ATCCAACTCG ACAACAAGGA 60  
 CATCCAAATA TGGGTGGGCC AATGCAGAGA ATGACTCCTC CAAGAGGAAT GGTGCCCTTA 120  
 GGACCACAGA ACTATGGAGG TGCAATGAGA CCCCCACTGA ATGCTTTAGG TGGCCCTGGG 180  
 AATGCCTGGG AATGAACATG GGTCCAGGTG GTGGTAGACC TTGGCCAPAC CCAACAAATG 240  
 CCAATTTCAA TTACCATACT CCTTCAGCAT CTCCTGGGGA ATTTATTGTT AGGTCCTCCA 300  
 GGGAGGTGA NGGGCCACCA GGGNACACCC TTC

Name: 232 Len: 402 Check: 1753  
 CCCTTTACAC AGACTCACTT GTCACTCACT GCCATAGAGT ACAGCCACAG CCACGACAGG 60  
 TACCTACCAG GTGAAACCTT TGTCTGGGG AATAGTCTGG CCCGCTCCTT GGAACACAC 120  
 TCAGACTCAA TGGACTCTGC CTCAAATCCC ACCAACCTTG TCAGCACCTC CCAAAGGCAC 180  
 CGGCCCTGTC TTTCACTCTG TGGCCTCCCA CCAAGCACTG CCTCAGCTGT GCGCAGGCTA 240  
 TGCTCCAGGG GGTCCGACCG ATACCTGGGA GAGCCGCGAT GCCTCTTCGA CTGAGTGGCC 300  
 GGGACCCCTT CCTTCATGGG ACAGTTCGAG GATGTTGATT GCAGTTTTGT TCCGGGGAAG 360  
 GTTGATTCTT CAGGTTTGGG ACCCCAAGGT TGAACCTGTT TT

Name: 233 Len: 492 Check: 1260  
 TGGGATCATA AGGAGCCCTT AAATACTTGT TATTGACTGG GGTATTTTTT ATGCTGTAGC 60  
 AAATGTGACA GGCTCTTTTT AGCAAAATTT TTGAAAATTT TTTTGGTATT ACTCTGAAAC 120  
 AAAATTTAAG TTGGAGTTTC AGGGATTTAG GGAGTAGTTT TCATTCTACA TGAAGTAGG 180  
 TAATATTATG GTAATCTCAA TATTTGGTTA AAAAACTAT ACAAATCAGA ATAGTACTAA 240  
 AATACTGTAG GAATTTTAGG CATTTTTATT TTGCACTTTG TGTGGGATTG AGGGTGTTC 300  
 GGAATATCCC AACCCATTAA AAATGTAATC TAGTTGGGCC AAAGGGTGTG CCGCTTAAAA 360  
 CACGGGAACC CGAACNTGGC NTTGGNTTGG GGNTAACTTT TTGAGGGGTT TTTTGTCCAA 420  
 NAGGCCNTGT GGAGGAGTTA CCATTTTTCN TTAAGGTTG GGTGGGTCCC CCTGTCCAGA 480  
 GTTCTNNGGG AC

Name: 234 Len: 321 Check: 7  
 CGTGGCACTC CACCAGCTCT ACCAATACAC GCAGAAGTAC TATGACGAGA TCATCAATGC 60  
 CTGAGGAGG GATCCTGCCG CCCAGAAGAT GCAGCTGGCC TTCGCGCTGC AGCAGATTGC 120  
 CGCTGCACTG GAGAACAAGG TCACTGACCT CTGACCTACA ATCTCCAGTG CTGCCCTGGG 180  
 ACATAGGTAC CTGAGGTACC TGAGAGCCCC TCAGGGANGG NGGCCGAGTG GCTGTGGCTG 240  
 AGGCCCCAC CCTCCCTGG GAACGCGCCC CAAGCCGGAN TGGGTGCAGC CGGAACCCGN 300  
 CCAGCGTTTT AGACTGTAGC A

Name: 235 Len: 359 Check: 124B  
 GCTTGCTATG AAGCAGTGTG TGAATGGACA ATGTTGAATG AATGTCTGGC TCAGTGATGG 60  
 AGAGCCAGGT TCATCTTTGA AATCTAGGGC TCTTCACTCA TGAAGCAGAC TCCTAGTCTT 120  
 GGAGTGACTG TGTACGAGAG CGTGGTTGTG GTGCTGTATG TGAACGCATG CAAGCTTGAT 180  
 TCACCTTCAG GGGGCTGATA ACCTAGTAAA TCATCAAAAT GAGATCATAA GTGTTAATG 240  
 AACTGGACA TGAARACAAA GACTGGTTTA GCAGCAGACA TTGGTTTACT CTGCAGCCTG 300  
 TGTCTTCTGT TTCCCTCTT CCCACCTCCT TCCCCCACC CAATCCTTT TTTTTTTT 359

Name: 236 Len: 306 Check: 3C9

24

GTGATGATGG GCAGCCTGGT GTACCTGCGG CTGGGCTTGG AGAAGTCACC CTAAGTCCAC 60  
 CTGCTGGGACA GCAGCCACTG GGCAGAGATC TGTGAGACCT TTACCCGGGA CGCCTGTTC 120  
 CTGCTGGGGC TTTCTGTGGA GTCCCCCTT AGCGTCACTT TTGCCCTCTGG CTGTGTGGCG 180  
 CTGCCCTGTGT TGATGAACAT CAAGGCTGTG ATTGAGCAGC GGCAGTNCAC TGGGGTCTGG 240  
 AATCANAAGG ACGANTTACC GATTGAGATT NAACTAGGCA TGAAGTNCCT GTACCACTCC 300  
 GTNTTC 306

Name: 237 Len: 395 Check: 23DC  
 GTCAPAATAT TACAGTAGAA TCTGAGTGTA ATATGTGTAA CCAAAATGAG AAAGAATACA 60  
 AGAAATGTTT CTGGAGCTAG TTATGTCTCA CAATTTGTGA GAATCTTACA GCATCTTTGA 120  
 TAAACTTCTC AGTGAAGATG TTGGCTAGGC AAGTTCAGTT AAAATATAGT AGAAATGTTT 180  
 ATCCTGGTAT CTCTAAGTAT ACATTTAATT GTACAGAAAA TTTACAGTGT AACATTGTTC 240  
 AACATTGCA GATTGACTGT ATATGACCTT AATCTTTGTG GCAGCCTGAA GGATCAGTGT 300  
 AGTTAATGCC NGGGGAAAGT GCTTTTTTAC CTAGGACTTC CNTTCTCAGC TTCTCCCCCT 360  
 AAAGAGACCC CTAANTATGG CCNTTTTGGN TTTGT 395

Name: 238 Len: 440 Check: 1545  
 GACAATCCAT TAATTCCAGC TGCGTGCATA GATCACATTT TTAATATGTA AAAATGCAAG 60  
 CAAAAACAGC TGTAACAAAG AAAGTGTGCT CAAGGACCAA AGATTTAACA GATAAAAAATA 120  
 CCCAATTAGA AGAGATATAT TAGACTATAT GAAGAGAGAT TATATTTGT ACACACCAAT 180  
 ATACATCAAA GTGCCCTGTG CCTTCIGAAA ATTTGAAGTG GCAAAATTAT TTTATGGTTT 240  
 AATGATTATT TTAATTTATC AGGGACTGCC TCAAGAAGAA AATAACATAA GCTTGTGGAA 300  
 TGGGTGGGAG AAAATGCCCT ATTTTTCTT GGCAAACTAT TGTATTAAAG TTAACNTTGT 360  
 TGGATCNTGA TATTATCCTA GGGTACNGTG TATGTGTGTA TTAATTATAN GGTGTGTGTG 420  
 TANATTATAC CNTTTATATA 440

Name: 239 Len: 507 Check: 26EE  
 NGGCTCCTAT CAGTGCACCT GCCCTGATGG TTACCGCAAG ATCGGGCCCG AGTGTGTGGA 60  
 CATAGACGAG TSCCGCTACC GCTACTGCCA GCACCGCTGC GTGAACCTGC CTGGCTCCTT 120  
 CCGCTGCCAG TGCGAGCCGG GCTTCCAGCT GGGGCCAATC AACCCTCCT GTGTTGATGT 180  
 GAACGAGTGT GACATGGGGG CCCCATGCCA GCAGCGCTGC TTCAACTCCT ATGGGACCTT 240  
 CCTGTGTGCG TGCCACCAAG GCTATGAGCT GCATCGGGAT GGCTTCTCCT GCAGTGATAT 300  
 TGATGAGTGT AGCTACTCCA GCTACCTCTG TTCAGTACCG CTGCGTCAAC GAGCCAGGGC 360  
 CGTTTTNTCC TGGCCACTGC CCACAGGGT TACCAGCTGN TGGGCCAAAA GGNTTTTGCC 420  
 AAGAACATTT GATTGAGTGT TGAGTTTGGT TGCGNAACAG TGGTTCCGAG GGNCCAAANT 480  
 TTGTTAAATT TCCATGGGGG TTAACGT 507

Name: 24 Len: 278 Check: DEF  
 AATTCGGCCC GAGGGTCCCT GGTGCAGATC CACGAAAAAA ACGGCTGGTA CACACCCCCA 60  
 AAAGAAGACG GCTAACCCCTG GAGTATCACC CTTCCTCCCT CCCCAGGCAC CACTGGACCA 120  
 ATTACCTTGT AATGCTGTAT TTGGATCTCA CGCTGCCTCT GTGGTTCCCT CCTCATTTT 180  
 TCCTGGACGT GATAGCTCTG CCTATTGCAG GACAATGATG GCTATTCTAA ACGCTAAGGA 240  
 AAAAAACAA ACACAGGACT GTTTNAAAGT ACTCAAGA 278

Name: 240 Len: 369 Check: 1CF5  
 GAGACAGATG GCCCACCAGG AGCTGTTGCT CTGGTTGCCT TCCTGCAGGC CTNGAGAAG 60  
 GAGGTGCGCA TAATCGTTGA CCAGAGAGCC TGGAACTTGC ACCAGAAGAT TGTGAAAGAT 120  
 GCTGTTGAGC AAGGTGTTCT GAAGACGCAG ATCCCGATAT TAACTTACCA AGGTGGATCA 180  
 GTGGAAGCTG CTCAGGCATT CCTGTGCAAA AATGGGGACC CGCAGACACC TAGATTGAC 240  
 CACCTGGTGG CCATAGAGCG TGCCGGAAGA GCTGCTGATG GCAATTACTA CAATNGCAAG 300  
 GAAGATGGAA CATNCAAGCA CTNGGTTGA NCCCATTNA ACGATCTNTT TCTTTNGCTT 360  
 GCGAGGANG 369

Name: 241 Len: 248 Check: 1F04  
 AATCTAATTC AAATTGTCAA AGCTACAAAA GGGGGGAAGA CATCTGTATT ANTTTTGCTA 60  
 AGTCACAACA TCCTAAAAACA AAATACTACT ACTGTCAGCA GATCCATTAT ACACATTTCT 120  
 GATGAAATCC ATTAGAACA TAAAAATTTT ATCTTGAGAA ATAGCCACAA TGAAAGTAAT 180  
 TTACACAATA TAAACAATG ACAGNTCTAC AGATGCAGTT GCTCATGAGT TTACACATGC 240  
 ATACACAA 248

Name: 242 Len: 288 Check: D09  
 GTTTCCAAAA TTCACTGTAC ATGATCAGTT TGGTGTCTT GTACCACAGT TTTTAACTGA 60  
 AGGAACCAGT TGTAACAGTC TCAATTTTAA CTAAAACTTG AAGAATAAA ACAACAATGC 120  
 AAACCTTTTCA GCATTGTTTG GCCAACTTG TTAATACTGT AATGCAAGAA CCAATGCAC 180  
 TGTGATGTGG CACCAACTAA TTAGCAAGCA TGAHTTTC ACCTAAGAGT GAAAAAGGA 240  
 AAATCTACCA TGGCTTGAAG TTAAGRGCA GAMCTCCTGA CTACCAT 288

Name: 243 Len: 423 Check: 1FE0  
 AAAGAGTTAA GGAAGGCAGG TTGTNCTTCT ATTCAAGNCA CTCTCGTTT TNCATGTA 60  
 GCATGCTGTT TGTGGCACTT TATCTTCAAG CCAGGATGAA GGGAGACTGG GCAAGACTCT 120  
 TACGNCCAC ACTGCAATTT GGTCTTGTG CCGTATCCAT TTATGTGGG CTTCCTCGAG 180



25

TTTCIGATTA TAAACACCAC TGGAGCGATG TGTTGACTGG ACTCATTTCAG GGAGCTCTGG 240  
 TTGCAATATT AGTTGCTGTA TATGTATCGG ATTTCTTCAA AGAAAGAACT TCTTTTAAAG 300  
 ANAGAAAAGA GGAGGACTCT CATACAACTC TGGCATGGAA ACACCAACAA CTGGGGAATC 360  
 ACTNTGCCGA GCCAATCACC AGCCTTGAAA GGCAGCCAGG GTGCCNAGGT GAAGCTGGCC 420  
 TGT 423

Name: 244 Len: 460 Check: 1420  
 CCAACAGTAT CTCCTGCATC AAACGCCTCT CTGGGCTCCT CAAAGTCCTT GATATCATGC 60  
 CCTTGACCCCT GCATGCCTGT ATGCACCAGA AGCAGAGGCT CAGAAACCTG GAGCAGTTTG 120  
 CCCGTCTGGA AGACTGTGTT CTCTTGGCAA CAGATGTGGC AGCTCGGGGT CTGGATATTC 180  
 CTAAAGTCCA GCATGTATC CATTACCAGG TCCCACGTAC CTCGGAGATT TATGTCCACC 240  
 GAGTGTGTCG AACTGCTCGA GCTAGCAATG AAGGCCCTCAG TCTGATGCTC ATTGGGCCCTG 300  
 AGGATGTGAT CAACTTTAAG AAGATTTACA AAACGCTCAA GAAAGATGAG GATATCCCAC 360  
 TGTTCCCCGT GCAGACAAAA TACATGGGAT GTGGTTCAAG GAGCGAATCC GTTTTAGCTC 420  
 GACAGATTTG AGGAATCTGA GTATTCCGAA CTTTCCNGGT 450

Name: 245 Len: 2533 Check: B49  
 CCAAGCCCAT GAGGGCCGCG CGCCCGGCCG CCGGTGCTGA CGAGACGGAG CTCCTGGCCC 60  
 CCGAGGAGGA GCAGAGGATC AATGCGGTTT AAGAATCGAT TCCAGCGGTT CATGAACCAT 120  
 CGAGCTCCAG CCAATGGCCG CTACAAGCCA ACTTGCTATG AACATGCTGC TAACTGTTAC 180  
 ACACACGCAT TCCTCATGTT TCCGGCCATC GTGGGCAGTG CCGTCTCCCA TCGGCTGTCT 240  
 GATGACTGCT GGGAAAAGAT AACAGCATGG ATTTATGGAA TGGGACTCTG TGCCCTCTTC 300  
 ATCGCTTCTA CAGTATTTCA CATTGTATCA TGGAAAAAGA GCCACTTAAG GACAGCGGAG 360  
 CATTGTTTTT ACATGTGTGA TAGAATGGTT ATCTATTTCT TCATTGCTGC TTCTTATGCT 420  
 CCATGGTTAA ATCTCGTGA ACTTGGACCC CTGGCATCTC ATATGCGTTG GTTTATCTGG 480  
 CTCATGGCAG CTGGAGGAAC CATTATGTTA TTTCTCTACC ATGAAAAATA TAAGGTGGTT 540  
 GAACTCTTTT TCTATCTCAC AATGGGATTC TCTCCAGCCT TGGTGGTGAC ATCAATGAAC 600  
 AACACCGATG GACTTCAGGA ACTTGCCTGT GGGGGCTTAA TTTATTGCTT GGGAGTTGTG 660  
 TTCTTCAAGA GTGATGGCAT CATTCCATTT GCCCACGCCA TCTGGCACCT GTTGTGGCC 720  
 ACGGCAGCTG CAGTGCATTA CTACGCCATT TGGAAATACC TTTACCGAAG TCCTACGGAC 780  
 TTTATGCGGC ATTTATGACC AATCTGTACT AATTCTCCAA ACCAGTATTA TTTCAATTAT 840  
 GGCACCTGGG AGTGGGGTGA GAGCTAAACA TTGCACAGGG CAAAGAAAAA AAATAACTGC 900  
 ACTGACTTTA TATCTTTTGA ATATAATTAC TGTGAAAGTA TAAAGGCTGT GTTCTGGAAT 960  
 TTTCTGCCTC ACAGCAAATA AATAAGGTAG TGAATTAATT ATTCATTCCA TTCCACTATC 1020  
 ATGAAGGACT CTGAATAGAC TTGGCCAACT GATGTTTACA AACCAGACTT TTATATTTTA 1080  
 ATTTTACAGA TTTTACTACA TGATTTTTCT AAATTACTAT GTCAGGTTGT AAAAGTCAGT 1140  
 GCAATAACAA ACCTTCCCTT TTAAGAAGAA AATTGTTTCT ATTACTTTCC CATTCACTAG 1200  
 GTAPAGAATC ATGGACAGAA CTTACACTAC TTTTACCAT GTTTCATCTT GGCATAACAT 1260  
 GGTCTTTTTT TAAATAGAAA CTTTAGTTTT TTGTAAATTT TTAATAAAT ATTTCAATGA 1320  
 TATGCATCTC TGCAGGTCCT CATTGATGTT GTAAATTTTT GGAGCAAGCA GTCAACATTC 1380  
 CACAAAACGAA CAAACATTAT ACCTCTCTG ATAGTTTTAT TAAGCATGGA GAAATTGCCA 1440  
 ATTTTAAAAA ACTGCAGTTT TCCAAACTTT TCTGCCAACC TCTTACTCTG AATTCACTGC 1500  
 TGCTTTGGGA CATATACTTG ACCTAGCTTG GTTTACCAGT GATGGAAAAG TATTTTGATA 1560  
 TCATTAACCT TTTCAAAAGA TCCAACCTTT TCTCTATGCC TTTGCCACAT TCTCTTCAGG 1620  
 GTCTCTTTCC ACAGCGGATA AATGTTTTTT CTGTATTATG ACAGTATTGT TGTGATGGCC 1680  
 ATCTGCTGGA AACTCCTGAA GAGCATTATG TATTACAGTG AGCAGTTGTA TTGCCTGTTT 1740  
 GGTGCCCAAT GGTAAAGTCA TTGTCACTTA GCTTTATATT GTCAGTTTGA TATTTATTTT 1800  
 AAATTGTGGA ACTAGATGCA TAAATTACAA TTTCTGCCTT TCCTTTGCAT CTTCTCATAT 1860  
 ATTGTGTTTT TTTTTTTTTT CCTAGAAAAA ATATTTAAAG CATTGTTTGA CAGGTAGAAA 1920  
 CTCATGATC TGTAGTCCAT GAGTTATATC CTGGCTCAGT GGAGTGATAT TTATGTATTA 1980  
 TTTTACTTTT TCTCTCAGTG TCTTATATTA AGATTAACAT GTTGTTAATA GTTGCTTTGT 2040  
 TGATTAATCT CTCTTGTTGG TGTTTTAAATA AATGAAATAG GCTTGCCCTT AGATCGGGTG 2100  
 CTGATATTGC CTGTTTCCTA GTAATGGGCT GATCAAATGA TCAGTGGAA TCTTGGTTTG 2160  
 ATGATAACCT TATTAATTGA AATTTTTTAC TGATGTGGCT TTAAGAGAGG TTTATTTTGT 2220  
 ATATGTTTAG AACTCTCTGA TTTTGTATGAA TTATATGGGA GTGAGAAACA GAAGAAGTGG 2280  
 TATTTGCTGG CGAGTTAAAT AGGCAAGGTA CCCAGTGATA ACACCAACCA AACCCTCTCT 2340  
 ATCTGCATGA TTCTGAACAT CTGGATGCCT GTTGTGTTTAC TGTGTATATT TATTTTTTAA 2400  
 TATATTAACCT TTGTGGATTC ATTTAAGGTC TACTCAAAAG TAACACTGTC CAAACCACTA 2460  
 ATATGTATGT AAAAATTGTG CTGTATACTA CAATAAAGTT GTTACTTGGA TTTGTCCAA 2520  
 AAAAAAAAAA AAA 2533

Name: 246 Len: 6072 Check: 1F2E  
 GGTGGTCCGG GGGGAGGCCC CCGCGCTTTA AAATAATGCC CGCGGCGCCC GCGCGACCAT 60  
 GCAATGGCGA GCGCTCGTCC TGGGGCTGGT GCTCCTCCGG CTTGGCCTCC ATGGAGTATT 120  
 GTGGCTCGTC TTGGGGCTGG GGCCAGCAT GGGCTTCTAC CAGCGCTTC CGCTCAGCTT 180  
 CGGCTTCCAG CGTCTGAGGA GCGCCGACGG CCGCGGCTCG CCCACCTCGG GGCCCGTGGG 240

26

CCGGCCTGGG GGGGTATCCG GGCCGTCGTG GCTGCAGCCG CCGGGGACCG GGGCAGCGCA 300  
GAGCCCGCGC AAGGCTCCGC GGCGTCCTGG GCCCGGATG TGCGGCCAG CCAACTGGGG 360  
CTACGTGCTG GGCGCCGGG GGCGCGGCC GGACGAGTAC GAGAAGCGCT ACAGCGCGCG 420  
CTTCCCTCCG CAGCTGCGTG CCCAGATGCG CGACCTGGCA CCGGGCATGT TCGTCTTTGG 480  
CTACGACAA TACATGGCTC ACGCCTTCCC CCAGGACGAG CTCAACCCCA TCCACTGCCG 540  
CGGCCGTGGG CCGGACCGCG GGGACCTTC AAATCTGAAC ATCAATGATG TACTAGGGAA 600  
CTACTCATTG ACTCTTGTG ATGCATTGGA TACACTTGCA ATAATGGGAA ATTCATCCGA 660  
GTTCAGAAA GCAGTCAAGT TAGTGATCAA CACAGTTTCA TTTGACAAAG ATTCCACCGT 720  
CCAGTCTTT GAGGCCACGA TAAGGCTCCT GGAAGCCCTC CTTTCTGCTC ACAGAATAAT 780  
AACTGACTCC AAGCAGCCCT TTGGTGACAT GACAATTAA GACTATGATA ATGAGTTGTT 840  
ATACATGGCC CATGAOCTGG CCGTGCGGCT COTCCCTGCT TTTGAAAACA CCAAGACAGG 900  
GATTCCATAT CCTCGGGTGA ATCTAAAGAC AGGAGTTTCT COTGACACCA ATAATGAGAC 960  
ATGCACAGCG GGAGCCGGT TGGCCAGACG AGCAGTGAAA GOCCTTTGGA ACCTCCGGAG 1020  
GGACTCCACA TTTGAGTGGG TGGCCAGACG AGCAGTGAAA GOCCTTTGGA ACCTCCGGAG 1080  
CAATGATACA GGATTACTAG GCAATGTCTG GAACATTGAG ACGGGCCACT GGGTTGGAAA 1140  
CGAGAGTGGC CTGGGTGCCG GGCTGGACTC CTTCTATGAA TACCTCTTGA AATCTTACAT 1200  
TCTCTTTGGA GAAAAGAAG ACCTAGAAAT GTTAAATGCT GCATATCAGA GTATTGAGAA 1260  
CTACTTAAGA AGAGGCGGGG AAGCCTGCAA TGAAGGAGAA GGAGACCTC CACTCTATGT 1320  
CAACGTGAAC ATGTTTCACTG GGCAGCTGAT GAACACCTGG ATTGACTCTC TGCAGGCCCT 1380  
TTTCCCTGGA CTGCAGGTGC TGATAGGAGA TGTGGAAGAT GCCATCTGCC TTCATGCCCT 1440  
CTACTATGCC ATATGGAAC GATATGGTGC COTCCCTGAG AGATATAACT GGCAGCTGCA 1500  
GGCCCTGAC GTTCTCTTCT ACCCACTGAG ACCAGAGTTA GTGGAATCCA CATATCTCCT 1560  
CTACCAGGCA ACCAAGAATC CTTCTACCT CCATGTAGGA ATGGATATTC TGCAGAGTCT 1620  
GGAAAAGTAC ACAAAGTCA AGTGTGGGTA CGCCACGCTG CAGTGAGACC TGTAATATT TGTATCTGCT 1680  
CACAGAAGAC CGGATGGAGA GCTTCTTTCT CAGTGAGACC TGTAATATT TGTATCTGCT 1740  
GTTTGTATGA GACAATCCAG TACACAAGTC GGAATTGCCA TGGAAGGAAT TCTTCTCTGA 1800  
ACACATTGTA TCTGTGGATG AGCATCTTCG GGAATTGCCA TGGAAGGAAT TCTTCTCTGA 1860  
AGAGGGAGGG CAGGACCAAG GGGGAAAGTC TGTGCACAGG CCGAAACCTC ATGAGTTAAA 1920  
AGTCATCAAC TCCAGCTCCA ACTGCAATCG TGTACCTGAT GAGAGGAGGT ACTCCCTGCC 1980  
CTTAAAGAGC ATCTACATGC GACAGATTGA CCAGATGGTT GGTGATTTT GATCTGCTCT 2040  
CTGTGAGGCC TCATCTTGAA CCAGACCTTA ACGACCAAAC CCAGACCATG CCAAGTCCA 2100  
GTCTGAAATG AAAGGGGACA GAAGTCTTGC TGTCCATGGT GGTGTAGGAA TTTCTGTGCA 2160  
ACACCTCACC ACGTCTGGTT AATCCTTGCA CACTTCAGTG TTTCTCTCCT GTTCAATAAA 2220  
ATGCCCTGTT AAGGATATAA TTTGAAGTGA GAAGATACAT GGAAATTGCC CTCTTATGAC 2280  
ATGTTGATGT TATAAGCACA ATAGATGGGG CATCTTTGGA TTGATGTTCA CAGCTTTATA 2340  
CTTCAGAACC TAAGTCTCTT CACTTTGCTG GCACCTGCTA TACTGGAGTA TTGCTATGTC 2400  
TTTAAAAAAT TTTTCTTTAT TATATTTTAT TTTTGTGAGA CAGGGTCTTG ATATTTTCTT 2460  
GGGACAGGGT TACCTGGGCT CAAGTGATCC TTCTGCCCTA GCCTCCCGAG TAGCTGGGAT 2520  
TACAGGTGAG CACCACTGTA COTGGCTAGC TACTTCTTTG TTAGAGGATT GAGAATGAAA 2580  
TTTCTGCAA AGGGCCCATG GTTCATTTGG TATCCCTATT TAATTGCATT GAAAATGTCA 2640  
TCTTTCTGT TGTTAGATAA TTGGGGTCTT CCCCTGATAT CCAACCGTGA TTTTGGATCA 2700  
CATGGGAGAA AAAGTCATCC AGTTTTCAT GTTTGCTCA AGTAATCTTT ACAGTGTATC 2760  
AAATTATTTG CTTAAGAAGA ATGGTCTTAA CCAGAATTCT TAACAGATAG TCTCTTAGGT 2820  
TATTATGTTA TGGTCTAAGA GGTAACTGA CATCTTTTGG ATGGTATTTT GCATTTTGAA 2880  
TATGAACCTA COTGAGGAAC TCCCATAGTT CCAGAATCAG GTGCCTTTTA GGGAGAGAAC 2940  
AATACCTAAG ATTGTCTGAG CTTCCATCTT TCTCATATTT CCTAAGCAAG GATTCTCACT 3000  
TATGACCATA TTTGGGTTAG AGTTCTGTTT TGTTTCTGTT TTCTGTGTCT AGTGCCAATT 3060  
AGCTAAATCA GGGAGAAAGA AATGATCACA TGACTTTTAG CATCCTTGAG CCATTTCTCT 3120  
GTGTAATACA GGCTTTAGAT TAGTGCTTAA TATTGGTTTT GGTGAGGAGG ACTGGATGTC 3180  
GCAGCTACTG CTATGGTTTC AGGAGGCTG TTTAGCCACA TGGTGAGACC GTGGTGAAAG 3240  
GGGGATGGAA ATTGCTTGGC CAGTCTTTGC CTTTCATCCT GTAAAAGTAA GCATGTAGAA 3300  
GGAGGAAGTT GTGCTAAAAT GCCTTTGTTT TTTTGTATT ATTTTCTTAG CCAGAACATC 3360  
TCTCTTTGAA CTCACACTGA TACACACCTG CTTACTTTAC ACAGTGACAG AGGGCTGACT 3420  
CTTAGTCTGG CTTCCATGAA GCGTCATGGG TGGAAACGCA TTCTAGTAAA AAAGGTAGGA 3480  
AATCCCTAAA ACTTCCAGCC TCACATAGCA CGGTCTCAC CTGTCACTGT TTTCCACCT 3540  
CTAAGGATTT CATGTACATC TTTTCAAAGC TAGAAATAAG CACTGTCTAA GTTTATGTTG 3600  
CATTTTTAGT CAAAAGGGAG AAATCTTATT COTTCTTGAA AATTTTAAGT GTTATGGTTT 3660  
TATATAGTTC AGTTCTTTGA GATTTTGA AAGAGTATTT TCAGTAATAA ACGTGCCATC 3720  
TCTATCTCTT AAACATTTAT TACACAAATT GTTTTAAAAT AGAAAAATAA AATGCTTCT 3780  
ATTTTACCTT TTTTCATTTT AGAAGCATTA TTCTGTTTAT TAACAGTGTC CCATCTACTG 3840  
AATAGAAAAC TTTGAGAATA ATATATAIAT ATATTTTAAA TGTTTTCACT GACTCATTGA 3900  
AAATGTTAAT TACACACACA TGCATGCATG CACACACGAG CATACTTGTA CCTTGTCTC 3960  
TGGGCAAACA GGTGGGACTG TTAGTGACCC ATTTGGGAAA ATAGAGCATC TCAGAGAAGG 4020

27

AGGTGAGTTC TTCTGCGCTG TGATTTCTCT TGGCGCTCCC CTCCTCTCCC GCTCTGGCTT 4080  
 CTGTGGCGGC AGTGGTGGGT AAGCACTCCA GTGTCTCTT AATGAGGCAC TTTGCCTGTC 4140  
 ACTCGAGCAA GCCTGGGTGT TCCTTCCTCC TCATGCTCCT GGAATAGGGA ATAGGGATCT 4200  
 CATGCTTGCA AACTACACAA TGCTGCAGGT GCTTCCAGG GGCACAGGC TGTCAGGAAA 4260  
 CGTGTTTTAT GTTAAGTCAC AAACCCACTT GACTTCTGGG TACTGGAATT AATACCAGTG 4320  
 GGTGAGACTG AGGGTSGAGT AGTTAGTACA TATTAATCCT GGTGTGTGAG CTTCCAGACT 4380  
 ACCCGCTCCA AAGTTTGATG CTATGTAGTC AGTGGTITGT GGGGCTGGAT GCCAGAAGGT 4440  
 TCTTTGAGCC AGTTTCAAAG GTTACTTGTT TTTTTTTTTT TTTTTTTAAG TCAGAATGTT 4500  
 AACAGCTGTG ATATATCCTG CAGGGCTTTT GCAGTTTCTT CTGTCTGTG TTCTGAAATC 4560  
 CTGGGTAGAG AATGGCTGAG GAGGAGATTA CCAGAGAAGT TGCTTTGCTC AGTGCTTTGC 4620  
 CCCAGGATTG CCTCAAATCT GAGTGGACTT CATCCTTTGC GGGGCTCTG AGCCTGGCCC 4680  
 ATCTTCTAT TCCCACGTGT AGCTAGTGTG TAGTGTGAGC TTTGCTCAAT GTGGTGGAAA 4740  
 CATTTTGCAG AACTGTTGTA GAAAGCTGCC TTATAGTTGG CTTGACAAAG CATAATTCTC 4800  
 TCATAACAAA CTTTCAAATC ATTACAGTAG CTTAGCTACT TTAGTTGATG TGACCGAGGA 4860  
 ATCCCTTCTA GAATCATAGG TGGCAAGGGA GGGTTTGCTA GCTCTCCATT TGCCTGGCC 4920  
 ATTGTGAAAA ACCAGCTTCT GTATTCAAAT CTTTCTTCA TTTTTTTAAA TTTTTTTTTT 4980  
 GGCAGCGCTT GTGCTGGGAC TTAATCTTGA TAATTTTCTA TGTATTTAAA GAAAAATGCA 5040  
 AGATCATGGA CTGTGCACGT GACACTTAAA TAATTTTCTA TGTATTTAAA GAAAAATGCA 5100  
 CCAGGATGGT GTCTGTGCAC GTGACTATTA GAGGAGCGTC TGTAAGATA CCTGGTTTGG 5160  
 TCAGTGCAGT TGTGCAATCT GAGGGCCTTG TTTCTCTCTC CCCTTTCCCC TTCTCCCCAC 5220  
 CAAAGGAAAA TATCCTCTCT AATGATTTCG TAGTTTCAGT TACTGAATGA TTACCACCTG 5280  
 TAATTCCTCT TTGGATTGTG TAGACTCAAC ATGAGACATT CCTTCTGCT TTCTGGAGGG 5340  
 CACCAGGGGC CTTTCTCTTT GATAAATTTT TTTTGTCTGT TGACAAAAAC AAAAATCTTT 5400  
 TTTCAAATGT AGTGCTGGTG AAAAGGTAGG GCTGAGTGAT TACCTTAGCC ACAGGGTGGC 5460  
 TGAGCAGGAA CTTTGAAGA AAATCCTGAG CTTTCTGTG CATTCCCAGC ATCCAGCTCC 5520  
 TATTCTAGTG CCTCTCTCCT GCAGGGCAGG GACCCCTTGG GAAATCGAGG AGGTGGGACG 5580  
 GGGTGGGCCC TGTGTCCCAG GTTTCACAGG GCTCAGGGT ATGCTCCCGC TTGAATCTGG 5640  
 ACGTGAATCT GGTAAAAATA TCAAGTACCT GTGGAACCTC CTGATTCTAT ACCCTCTTCC 5700  
 TTCTTTCTGC AAGGCAGAGG AATAATATTT TTAAGGTTA TTTTGTTTTA GTTTTAAATA 5760  
 GCAAAACACA AGCTGCATTT TTATTTATTT TGCATAAGAA AGGTAAATCT TTTTACAAAA 5820  
 AAAAGTATAG AGTTGGAAAC TCTGGGAAAA CTTACGGAAA TACACAAATG CTTCTCTGTA 5880  
 ATGTGCAATA TGCTTTGCAA CTGTAGATGA TATTTTATGT TTAATCTGTA AATAAGAAAT 5940  
 GTATTTAAAT TAAAAGGGAT CTTTGTGTA AAGGACCAA TGTTCTTTTA TAAATGTAAT 6000  
 AAGGAATATC TTGCTCTTTA AAATTTATTA GGATTTTAT GAGTAATTTT TATTAAGA 6060  
 TTTCTTTTTT TG 6072

Name: 247 Len: 5615 Check: 2627  
 GAACTGCGG GTGTGACCCC CCCGTGGTGG CTCTGGGTGT CTGCGGAGGA GCTGGGGGCG 60  
 GAAGATGAGG CTAACGGCTT GGCTTCAGTG AACGCACCGG GATGTGCAGG CCGGGAGGTA 120  
 GAGGCAGGCT GATGGGGGAG GGAACGAGCA GCCTGTGAGA CCGGGTGACG GCGGCTACCA 130  
 GCCCGGGCGG GCACCGGGAC TGGAGAGTT GCCTGAGCAG CCGGCTGGTC CGCGGGCCAG 240  
 GCTAGGGCGG GGGCGAGCGC CCAGTTGAGC CTGCTGGGGC TGGAGGAGCG AGAAGGGTTT 300  
 TCTTCACATT TCAGAGCGAA CCAGACGGGG ACAGTAAGGT TTGGAGGAAG GGGGATCGTT 360  
 GGAAGTAGCA AGAAGTGGAG AGAATCTGGC AATAGACGAG AAACCGAAAG AATCAGAAAG 420  
 AAGTCTATGT GAGTAGCTGA AAGCATTGGG TGACCAGAAA GAAGGTGCGT GTAAGTGAAG 480  
 GAAGAGTGAG GTGTGGCTGG ATCAAAGGGC TAAGAGAAGC GGGTCTGTGT AAGTGGATGT 540  
 GAGTGAGGAT CAAGGAAAAG CCGTGGAAGT GGGCGGGGGT CCGGGCCGCA GAAGTGCCAG 600  
 ACGGGGCGCG AAAGCAGCCG AGCGGAGTTC AAATTTGAGA GCGTTTGGA AITGGAAGAC 660  
 TTGGTGGCGA ACGAGGGTCA GGACCTGCAT CCTGCTCAG AGAGTTATCG ACGTATCCG 720  
 AATGTGGGAT CAGAGGCTGG TGAGGTTGGC CCTGTTGCAG CATCTGCGGG CTTTCTATGG 780  
 TATTAAGGTG AAGGGTGTCC GTGGGCAGTG CGATCGCAGG AGACATGAAA CAGCAGCCAC 840  
 GGAAATAGGG GGTAAAAAT TGGAGTACC TTTTAATGCA CTGCCCCATT CTGCTGTACC 900  
 AGAATATGGA CACATTCCAA GCTTTCTGT CGATGCTTGC ACATCTTTAG AAGACCATAT 960  
 TCATACCGAA GGGCTTTTTC GGAAATCAGG ATCTGTGATT CGCCTAAAAG CACTAAAGAA 1020  
 TAAAGTGGAT CATGTTGAAG GTTGCCATATC TTCTGCACCT CTTGTGATA TTGCGGGACT 1080  
 TCTTAAGCAG TTTTATAGGG AACTGCCAGA GGAAGAAGT AAAGCTACAC TGTGCTCTC 1140  
 ACTTTTGAAA GCTCAACAGT TAGGCACAGA GGAAGAAGT AAAGCTACAC TGTGCTCTC 1200  
 CTGTCTTCTG CTGACCCACA CAGTTTCATGT ATTAAGATAC TTCTTTAACT TTCTCAGGAA 1260  
 TGTTTCTCTT AGATCCAGTG AGAATAAGAT GGACAGCAGC AATCTTGCA TAATATTTC 1320  
 ACCGAATCTT CTTACAGCAA GTGAAGGACA TGAAAGATG TCTTCTAACA CAGAAAAGAA 1380  
 GOTACGATTA CAGGCTGCAG TAGTACAGAC TCTTATCGAT TATGATGAG GTCTCTGTGC 1440  
 TGTACCAGAT TTTATCCTGG AAAAGATACC AGCCATGTTG GGTATTGATG GTCTCTGTGC 1500  
 TACTCCATCA CTGGAAGGCT TTGAAGAAG TGAATATGAA ACTCCTGGTG AATATAAGAG 1560  
 AAAGAGAAGA CAAAGTGTAG GAGATTTTGT TAGTGGAGCA CTAAATAAAT TTAACCTAA 1620

28

CAGAACACCT TCTATTACAC CTCAAGAAGA AAGAATTGCC CAGCTATCTG AATCACCAGT 1680  
GATTCTTACA CCAAATGCTA AGCGTACATT GCCAGTAGAT TCTTCTCATG GTTCTCTCAAG 1740  
TAAGAAAAGG AAGTCCATCA AGCACAATTT TAACTTTGAG CTGTTGCCAA GTAATCTCTT 1800  
CAATAGCAGT TCTACACCGG TATCAGTTCA CATCGATACA AGCTCAGAAG GGTCACTCA 1860  
GAGTTCACTC TCTCCTGTAC TCATTGGTGG AAACCAATTG ATCACTGCAG GTGTGCCAAG 1920  
GCGAAGTAAA AGAATTGCAG GCAAAAAGT TCGCAGAGTG GAATCAGGAA AAGCAGGCTG 1980  
CTTTTCTCCT AAAATCAGCC ATAAAGAAAA GGTTCGAAGA TCTCTGCGTT TGAATTCAA 2040  
TCTAGGGAAA AATGGCAGAG AAGTAAATGG ATGTTCTGGT GTCAATAGAT ATGAAAGTGT 2100  
TGGTTGGCGA CTTGCAAAATC AACAAAGTTT AAAAAATCGA ATTGAATCTG TAAAAACAGG 2160  
TTTGCTTTTT AGCCCAGATG TTGATGAAAA GTTACCAAAG AAAGGTTTCAG AAAAGATCAG 2220  
TAAGTCTGAG GAAACCTTAC TAACTCCAGA GCGACTAGT GGAACAAAT ACCGGATGTC 2280  
TTGGACAGGA CCTAATAATT CAAGTTTTCA AGAAGTAGAT GCAAATGAAG CTTCTTCAAT 2340  
GGTGGAAAAAT CTTGAGGTAG AAAACTCTTT GGAGCCTGAT ATTATGGTAG AAAAGTCACC 2400  
TGCTACTTCA TGTGAACCTCA CCCCTTCCAA TTTAAACAAT AAGCATAATA GCAACATAAC 2460  
AAGTAGCCCT CTTAGCGGGG ATGAAAAATA CATGACCAAA GAGACTTTGG TGAAGTTC 2520  
AAAAGCSTTT TCTGAATCTG GAAGTAATCT TCACGCATTG ATGAATCAGA GGCAGTCATC 2580  
AGTAACTAAT GTGGGGGAAAG TAAAAATTAAC TGAACCATCT TATTTAGAAG ATAGCCCAGA 2640  
GGAAAACTTA TTTGAAACTA ATGATTTGAC TATAGTAGAA TCAAAGGAGA AATATGAACA 2700  
CCCACTGGT AAAGGTGAAA AATGTTTTTC AGAGAGGGAC TTTTCAACCC TTCAAACCTCA 2760  
AACATTTAAT AGAGAAACRA CTATAAATG TTATTCAACT CAGATGAAGA TGGAAACATGA 2820  
AAAAGACATT CATTCAAATA TGCCAAAAGA TTATTTAAGC AAGCAAGAAT TCTCCAGTGA 2880  
TGAAGAAATA AAGAAACAGC AGTCCCCAAA GGATAAATA AATAATAAAT TAAAAGAGAA 2940  
TGAGAATATG ATGGAAGGTA ACTTACCGAA GTGTGCAGCA CATAGCAAGG ACGAGGCTAG 3000  
ATCCTCTTTC TCACAGCAGA GTACATGTGT TGTAACAAAC TTGTCAAAC CTAGGCCTAT 3060  
GAGAATTGCT AAACAGCAGT CATTGGAAC ATGTGAGAAA ACAGTTTCTG AAAGTTCACA 3120  
AATGACAGAA CATAGAAAGG TTTCTGATCA CATACAGTGG TTTAACAAGC TTTCTTTAAA 3180  
TGAACCAAAT AGAATAAAG TCAAGTCACC TCTTAAGTTT CAGCGTACTC CTGTTCTGTC 3240  
GTCCGTCAGA AGAATTAAT CTTGTTGGA GTATAGCAGA CAACCTACAG GGCATAAGTT 3300  
GGCAGTCTT GGTGATACAG CTTCTCTTTT GGTCAAATCA GTGAGCTGTG ACGGTGCTCT 3360  
TTCTCTTGT ATAGAAAGT CATCAAAGA TTCCTCTGTT TCATGTATCA AATCAGGTCC 3420  
TAAAGAACAG AAGTCCATGT CATGTGAAGA GTCAAATATT GGTGCAATTT CAAAGTCAAG 3480  
CATGGAGTTA CCTTCGAAAT CTTTCTTAAA GATGAGGAAG CACCCAGATT CAGTGAATGC 3540  
TTCTCTTAGG TCTACTACAG TTTATAAACA GAAGATCTTA TCTGATGGCC AAGTTAAGGT 3600  
TCCCTTGGAT GATCTGACTA ATCATGATAT AGTAAACCA GTTGTAATA ACAACATGGG 3660  
CATTTCTTCT GGGATAAATA ACAGGGTCTT TAGGAGACCA TCAGAAAGAG GAAGGGCCTG 3720  
GTACAAAGGT TCTCCAAAAC ATCCTATCGG AAAAATCAA TTAACCAA CAAGTAAAC 3780  
TGATGATTTG TAATTGGTAA ATGTTATACT TGTCATTAAAT GTAAATAAAG TGAGTAATTG 3840  
GATGACTTG CAGGATGATG TACATGTTAG TTTGTAGCTC AGGATGATTG TTAAGCAATA 3900  
GATTTGCTCT ATTGAAAATG TTTCATTTTT TTTCACTGTAC AAGCAAATTA GATTTTTATT 3960  
TGTACAAAT ACTTCTTTGT TTTTCTTAAT GATGGCAAT TTTAACTTT AATTTTTATT 4020  
TGATCTCTTA AAGCAGAGGT TAGACTTTAC CTTTCTGACT CTGTCTGTTA GGCTGGAGTG 4080  
CAGTGGCGCA ATCTCACTGC AAGCTCCACT TCCTGGGTTT ATGCCATTT CCTGCCTCAG 4140  
CCTCCCGAGT AGCTGGGACT ACAGGTGCCC GCCACCACGC CCAGCTAAT TTTTGTATT 4200  
TTAGTAGAGA CGGTTTCAAC GTGTTAGCCA GGATGGTCTC GATCTCCTGA CCTGTGATC 4260  
CGCCCGCCTC AGCCTCCCAA AGTGCTGGGA TTACAGGCAT GAGCCACCAC GCCCGGCTAG 4320  
ACTTTACCTT TCTAAAGAAA TTGTTTACTG GATTTATAAG AAGTTAATTT TTGAAAATGA 4380  
CATATTTTTG TGTGATAGAA AGAATGGAGC AAGTTGTGCC TATTTCTTCC AAGTCAGATA 4440  
AGGTTTCTAA AATAAATAAA TTTCTAGCAT ATAAAGGGTA GAGATAAACT CTGCAATCT 4500  
TATGTCTGGA ATTATATTAA TGTATTATGT CCTTGCCAAA ATTCCTAGAA ATTAATTTCC 4560  
TTCAATAGCA TCCTAAAAT CTATTTTTAT TTGGGGCAGA GTAATTTTCA TTATAGTGCC 4620  
AGTAGGTGTA CTTTGTGTT ACTCGAATA AGAACAATGG TTAAGGCAGA ATAATGACTA 4680  
AAATATGTT ATATATTATG ATGTGGAAT AATTGATAAC TTTTAAGCCA TACTATGTTT 4740  
TTAAAGATAA TTGCACAAA CACGTTTGTG TCTGTTCTGT CCAATATAGA TTTGGCAATT 4800  
ATTTAAGAG GGATAATCTT GAAAAAAT AACCAAGGTG CTCTTTACCT TTTTACTTG GATAAAAACC 4860  
CGATTTTGGG ATTTGAAATA GTAGATGCAC ATTTATTTAG CATAGACATT AAAGATAACT 4920  
TATGATGATT TTGTCCTGTG TGTAAATGTT TGAATTCAT AGTGCCATTT AGAACATGCA 4980  
CTCTGAAAAA TGAATTGACT AAGGCTCTCA TGAAATTCAT TTATTACAAA TTACACATCT 5040  
CCAAATTTGTC AAGTAATCT ACAATAGAAC ATATTCTCTA GGTGTAGAG GTCTATGTTT 5100  
TTGAGGAAAG AGTATTATGA AAGGTAGTTT TTCAGATTGG TTGTTAGAAT GTCATGTTT 5160  
GCAGACAGAA TCAACCACTA AAGGTAGTTT GGCACCTCGA GCAACCAGAC TTACAGCATA 5220  
GATGTTGGAG CAGATTAGAG CAGCATTCAT GCCACTCGGA GCTAGGTTCT ACTTTGTTT 5280  
AGTATGTACG AGGAATTTCA AATCATCAGA TGTGTTGCTT GCTAGGTTCT ACTTTGTTT 5340  
TTTGATATCA AATAGGTTTG TAGATGTTT TGGCATTTCT AATTGTAAGT AGAGACAAA 5400

25

TATTCATATA GTCAGATATA TGTGTCTGTC TTTAAACAAT TTTTAAATTT TAAAAATGCA 5460  
 TTAACGTCTT TTTATATCCA TCAAGGGAAG GATGAAATGT TGAATTTGAA GACTAATTCA 5520  
 GTAAGAASTC CTAGGGGTTT AACTGTACAT ACTACCTGAA CTGGCTTTTC TGAGAGATGA 5580  
 ATCAATAATG AAACATGTCT GTTTTAAAAA CTACC 5615

Name: 248 Len: 5298 Check: F37

GGCGCCCGAC CCCAGCCACC GGCCTGCGGC CAGCGCGTCC CCCGACTCGC CGCCCGGAGA 60  
 CCCCAGAGGT CCAACGAGTT CAGAAATGTC CAGAAATGAC AAAGAACCCT TTTTGTGAA 120  
 GTTTTTAAAG TCTTCAGACA ATTCCAAATG TTTTITTTAA GCTCTCGAGT CCATAAAAGA 180  
 ATTCCAATCA GAAGAATATC TTCAGATTAT TACAGAAGAA GAGGCATTGA AGATAAAGGA 240  
 GAATGATAGA TCACCTTTATA TCTGTGACCC TTTTAGTGGC GTTGTCTTTG ATCACCTCAA 300  
 AAAGCTTGGC TGCAGAATTG TTGGTCCTCA AGTAGTCATA TTTGTATGC ACCACCAGCG 360  
 AIGTGTCCCA AGAGCCGAAC ATCCAGTTTA TAATATGGTT ATGTCTGATG TAACCATATC 420  
 TTGTACAAGT CTGGAAAAAG AAAAAAGGGA AGAAGTTCAT AAATATGTAC AAATGATGGG 480  
 CGGACGAGTA TACAGAGACC TTAATGTATC AGTAACTCAC CTTATTGCAG GAGAAGTTGG 540  
 TAGCAAAAAA TATTTAGTTG CTGCAAACCT GAAGAAACCT ATTTTGTCTC CCTCTTGGAT 600  
 AAAACACTT TGGGAGAAGT CACAAGAGAA AAAAATAACT AGATATACTG ATATAACAT 660  
 GGAAGATTTT AAGTGTCTTA TTTTCTTTGG TTGCATAATC TGTGTGACTG GCTTATGTGG 720  
 CTTAGACAGG AAAGAAGTTT AGCAACTCAC AGTTAAGCAT GGAGGTCAAT ACATGGGACA 780  
 ATTGAAAATG AATGAATGTA CACACCTCAT TGTGCAAGAA CCAAAAGGTC AGAAGTATGA 840  
 GTGTGCCAAG AGATGGAAATG TACACTGTGT GACCACACAG TGGTTTTTTG ACAGTATTGA 900  
 GAAAGGTTTT GTTCAGGATG AATCCATATA CAAGACAGAA CCTAGACCAG AAGCAAGAC 960  
 TATGCCCAAT TCTTCAACTC CTACCAGCCA GATCAACACA ATTGATAGTC GTACTCTTTC 1020  
 AGATGTGAGC AATATTTCCA ACATAAATGC AAGTTGCGTA AGTGAATCAA TATGTAATTC 1080  
 ACTTAACAGC AAACCTGGAGC CTACACTTGA AAATCTAGAA AATCTGGATG TCAGTGCATT 1140  
 TCAAGCACCT GAAGATTTAT TAGATGGTTG TCGGATATAT CTTTGCCTGT TTAGTGGCAG 1200  
 AAAGCTAGAT AAACCTGAGAA GACTTATTTA CAGTGGAGGT GGAGTTCGTT TTAACCAGCT 1260  
 AAATGAAGAT GTAACCTATG TTATTGTGGG AGATTATGAT GATGAATTGA AGCAGTTTTG 1320  
 GAATAAATCA GCCCAGAGG CTCTATGTAGT GGGAGCAAAG TGGTTGCTAG AGTGTTCAG 1380  
 TAAAGGTTAT ATGCTTTCTG AAGAACCATA TATCCATGCT AATTACCAGC CAGTGGAAAT 1440  
 TCCAGTTTTA CATCAGCCTG AAAGTAAAGC AGCTCTTTTA AAAAAGAAGA ACAGCAGCTT 1500  
 CTCTAAGAAA GACTTTGCTC CTAGTGAAAA GCATGAGCAA GCTGATGAAG ATCTGCTCTC 1560  
 TCAATATGAA AATGGTAGCT CCACAGTAGT TGAGGCTAAG ACGTCTGAAG CCAGGCCCTT 1620  
 TAATGATTCT ACTCATGCTG AGCCCTTGAA TGATTCTACT CACATTTCTT TGCAAGAAGA 1680  
 AAACAGTCT TCTGTGCTG ATTGTGTCCC TGATGTTTCT ACAAATCTAG AAGAAGGCTT 1740  
 ATTTAGCCAA AAGAGTTTCC TTGTTTTGGG TTTTAGTAAT GAAATGAAT CTAACATCGC 1800  
 AAACATCATA AAAGAAAAAT CTGGGAAAAAT CATGTCCCTT CTGAGCAGAA CTGTTGCCGA 1860  
 TTATGCTGTG GTTCTCTGTC TGGGGTGTGA AGTGGAAAGC ACTGTGGGAG AAGTTGTTAC 1920  
 AAATACATGG CTGGTTACTT GCATAGACTA TCAGACTTTG TTTGATCCAA AGTCAATCC 1980  
 TCTCTTCACA CCAGTTCCAG TAATGACAGG AATGACTCCT TTAGAGGATT GTGTTATTTT 2040  
 ATTTAGCCAG TGTGCTGGAG CAGAAAAAGA GTCTTTAACA TTCCTAGCAA ACCTCCTTGG 2100  
 AGCAAGTGTT CAAGAATACT TTGTTGCGAA ATCCATGCA AAGAAAGGCA TGTGTCAG 2160  
 TACTCATCTT ATACTGAAAG AACGTGGTGG CTCTAAATAT GAAGCTGCAA AGAAGTGGAA 2220  
 TTTACCTGCC GTTACTATAG CTGCTGCTT GGAGACTGCT AGAACGGGAA AGACAGCAGA 2280  
 CGAAAGCCAT TTTCTGATTG AAAATTCAAC TAAAGAAGAA CGAAGTTTGG AAACAGAAAT 2340  
 AACAAATGGA ATCAATCTAA ATTCAGATAC TGCAGAGCAT CCTGGCACAC GCCTGCAAAC 2400  
 TCACAGAAAA ACCGTCTGTTA CACCTTTAGA TATGAACCGC TTTACAGATA AAGCTTTCCG 2460  
 TGCTGTGGTC TCACAACATG CCAGACAGGT CGCAGCCTCC CCAGCAGTAG GACAACCACT 2520  
 TCAGAAGGAG CCTCGTTTAC ACCTGGATAC ACCATCAAAA TTCCTGTCCA AGGACAACT 2580  
 CTTCAAGCCT TCCTTTGATG TGAAGGATGC ACTTGCAGCC TTGGAAACTC CAGGACGTCC 2640  
 CAGCCAACAG AAAAGGAAAC CGAGTACGCC ACTCTCAGAA GTTATTGTCA AAAACTTGCA 2700  
 ACTTGCTTTG GCAAAATAGCT CTGGAATGTC TGTGCTCTT TCTGCCAGCC CTCAACTGAA 2760  
 AGAGGCCAG TCAGAGAAGG AAGAAGCCCC AAAGCCACTT CACAAAGTAG TGGTATGTGT 2820  
 TAGTAAAAA CTCAGTAAGA AGCAGAGTGA ACTAAATGGG ATCTATCAAG GCGCGCCAAA 2880  
 AGATTACAGG TGGAGTTTTG ATGAAACAGT GACTCATTTT GTACACATTG TTTCCGAGCA 3000  
 TGACACTAAT CGGGAGTATA AATCTGTAAA AGAAAGAGGA GTACACATTG TTTCCGAGCA 3060  
 CTGGCTTTTA GATTGTGCCC AAGAGTGTA ACATCTTCTT GAATCTCTTT ATCCACATAC 3120  
 TTATAATCCC AAAATGAGCT TGGATATCAG CGCAGTGCAA GATGGCCGGC TCTGTAATAG 3180  
 TCGACTACTC TCAGCTGTGT CTTCAACAAA GGATGATGAG CCAGATCCTT TGATTTTAGA 3240  
 AGAAAATGAT GTAGACAATA TGGCCACCAA TAATAAAGAG TCAGCACCAT CAAATGGAAG 3300  
 TGGAAAGAAAT GACTCTAAAG GAGTTCTGAC ACAGACCTTA GAGATGAGAG AGAAGTTTCA 3360  
 GAAGCAGTTA CAGGAGATAA TGTCTGCAAC ATCAATAGTG AAACCCCAAG GGCAGAGGAC 3420  
 TTCCCTTTCA AGAAGTGGTT GTAACAGCGC ATCTTCAACC CCTGACAGCA CTCGCTCTGC 3480  
 TCGCAGTGGA CGAAGTAGAG TCCTAGAGGC ACTGAGGCAG TCTCGTCAGA CAGTACCTGA 3480

30

TGTCAACACA GAGCCTTCCC AAAATGAACA GATCATTTGG GATGACCCTA CAGCAAGGGA 3540  
 GGAGAGAGCA AGGCTTGCCA GCAATTTGCA GTGGCCTAGT TGTCCCACAC AATACTCTGA 3600  
 GCTTCAGGTT GACATTCAAA ACTTGGAGGA TTCTCCTTTT CAAAAGCCTT TACATGATTC 3660  
 AGAAATTGCT AAACAGGCTG TCTGTGATCC TGGAAACATA CGTGTGACTG AAGCTCCCAA 3720  
 ACACCCCAATC TCTGAAGAAC TGGAAACTCC CATAAAAGAC AGCCACCTGA TCCCTACGCC 3780  
 TCAAGCCCCC AGTATTGCCT TTCCACTCGC CAACCCCCCT GTGGCTCCGC ACCCTAGAGA 3940  
 AAAGATTATA ACGATAGAGG AGACTCATGA AGAATTAAAA AAACAGTACA TATTTCACTT 3900  
 ATCATCTCTG AATCCTCAAG AACGTATTGA CTATTGTCTAT CTGATTGAGA AACTAGGTGG 3960  
 ATTGGTGATA GAAAAGCAGT GCTTTGATCC CACCTGTACA CACATTGTTG TGGGACATCC 4020  
 ACTTCGAAAC GAGAAGTATT TAGCCTCAGT GGCAGCTGGG AAGTGGGTGC TTCATCGCTC 4080  
 CTACCTTGAA GCCTGCAGGA CTGCTGGACA CTTCTGTGAG GAAGAAGACT ATGAATGGGG 4140  
 AAGTAGTTCC ATACTTGATG TTTTGAATGG AATCAATGTA CAGCAACGAA GACTAGCACT 4200  
 TGCAGCAATG AGATGGAGAA AAAAAATCCA GCAAAAGACAA GAATCTGGCA TTGTTGAGGG 4260  
 AGCATTTAGT GGGTGGAAAG TTAATTTTACA TGTGGATCAG TCTCGAGAAG CAGGCTTCAA 4320  
 ACGCCTTCTT CAGTCAGGAG GAGCAAAGGT GCTACCTGGT CATTCTGTAC CTTTATTTAA 4380  
 AGAGGCCACA CATCTTTTTT CTGACTTGAA TAAACTGAAA CCAGATGACT CAGGAGTTAA 4440  
 TATAGCAGAA GCTGCTGCCC AGAACGTGTA CTGCTTGAGA ACAGAATACA TTGCTGATTA 4500  
 TCTCATGCAG GAATCACCTC CTCATGTAGA AAATTACTGT CTACCAGAAG CTATTTTCACT 4560  
 TATTCAGAA ATAAAGGAAC TTGGGACTGG ATTATCACAA AAGAGGAAAG CTCCTACAGA 4620  
 AAAAAATAAA ATCAAAACGAC CTAGAGTACA CTAATCGCAT CTACCCCTTA GTTAGTAATT 4740  
 ATTAATGTT TTTAAAAATT GAAAGCCTGA ATGTGACTGT GATAGATTG GGTAGTAATT 4800  
 TAAAGATGAG TACCTGAAGA ATTCTGCTTC AGAGTATAAT GATGACCCTT CTTGAGTTTT 4860  
 GAACACCTGA AATTGTAATC ACTGAAATAT TAACGTGTTT TTAATAAAAA GTTACCTGAA 4920  
 ATAACAACAA AATACAACTC CTCAGCTAGC TTGCTGTTAA ACCACATTGA AGTCTGTTAA 4980  
 ARGATATTTA TTTTCTTGT AAATATCTGA AGCTGTAGCT TAGTGGAAAT TTAGCAAGG 5040  
 TAATGGATTT TGCTTTAAAA TGTCTGCCCT ACAATTCAT AACAACAAGA TTTGTCAGTC 5100  
 AGCATTTATT CATGTTTTCC CTGATTTTTA TCTTCTCACC ATTTTACCTC TTTTAAACAG 5160  
 AGCCTGAGCA CAAGGTTTTA TGAGGAAGCT GGGGCTATAA ATATGTGTGT ATATATGTAT 5220  
 ATGTATGTTT GTACAAATCT CCATGATGTT TGCCAAGTTT GAATGCCGAA AACTTGGAAA 5280  
 ATGTGACAAT AAAGAATAAA AGTAGTAACT CAAATTAGTA TTAAGATGTG TTTACATAGA 5298  
 TAAATTTTTT AAAAGAGC

Name: 249 Len: 1584 Check: 12A6  
 GCGCCTCGGC CTAGCATGTC GGAAGCGGGC GAGGAGCAGC CCATGGAGAC GACGGGCGCC 60  
 ACCGAGAACG GACATGAGGC CGTCCCCGAA GCGAGTCCGC GCCGGGGCTG GACGGGCGCC 120  
 GCGGCGGGGC TGGAGGCGCG ACCGCCGCGC CCCCAGCGG GAATCAGAAC GGCGCCGAGG 180  
 GACCAGATCA ACGCCAGCAA GAACGAGGAG GACGCGGGAA AATGTTCTGT TGGTGGCCTG 240  
 AGCTGGGATA CTAGCAAAAA AGATTTAAAA GACTATTTTA CTAAATTTGG AGAGGTCGTT 300  
 GACTGTACAA TAAAAATGGA TCCCAACACT GGACGGTCAA AGGAGCACAG GCTGGATGGC 360  
 TTCAAAGATG CAGCCAGTGT GGAGAAGGTC CTAGACCAGA AGGAGCACAG GCTGGATGGC 420  
 CGTGTCTATT ACCCTAAAAA GGCCATGGCT ATGAAGAAGG ACCCGGTCAA GAAAATCTTC 480  
 GTTGGGGGTC TGAATCCTGA AAGTCCACT GAGGAAAAAG TCAGGGAGTA CTTTGGCGAG 540  
 TTTGGGGAGA TTGAGGCCAT TGAATTGCCA ATGGATCCAA AGTTGAACAA AAGACGAGGT 600  
 TTTGTGTTTA TCACCTTTAA AGAAGAAGAA CCCGTGAAGA AGGTTCTGGA GAAAAAGTTC 660  
 CATACTGTCA GTGGAAGCAA GTGTGAGATC AAGGTGGCCC AGCCCAAGA AGTCTATCAG 720  
 CAGCAGCAST ATGGCTCTGG GGGCCGTGGA AACCGCAACC GAGGGAACCG AGGCAGCGGA 780  
 GGTGGTGGTG GAGGTGGAGG TCAGAGTCAG AGTTGGAATC AGGGCTACCG CAACTACTGG 840  
 AACCAGGGCT ACGGCTACCA GCAGGGCTAC GGGCCTGGCT ATGGCGGCTA CGACTACTCG 900  
 CCCTATGGCT ATTACGGCTA CGGCCCGGCG TACGACTACA GTCAGGGTAG TACAAACTAC 960  
 GGCAAGAGCC AGCGACGTGG TGGCCATCAG AATAACTACA AGCCATACTG AGGCGGCCAA 1020  
 GGGAGCGACC AACTGATCGC ACACATGCTT TGTTTGGATA TGGAGTGAAC ACAATTATGT 1080  
 ACCAAATTTA ACTTGGCAA CTTTCTATTG CCTGTCCCAT GTGCATCTTA TTTAAAATTT 1140  
 CCCCATGGA AATCACTCTC CTGTTGACTA TTTCCAGAGC TCTAGGTGTT TAGGCAGCGT 1200  
 GTGGTGTCTG AGAGGCCATA GCGCCATCAT GGGCTGATT CTGGACCTGT GGACCCTGGT 1260  
 AGCAGGTGAG AGGCTCTGCT TCCTGCTGCC GCTCTGCAGC CTGGACCTGT GGACCCTGGT 1320  
 TGTAAAGAGT AATTTGTATC TTAGGAAACC AGTGTACCT TTTTTCACC TTTTAAATTT 1380  
 ATATTATTTG CGTCATACAT TTCCTGTAAC GGAAGTGTTA ATTTTACTGT ACTTTTGGT 1440  
 ACCCCTTTTG GGAATCTAAT GTATTGTAG GTATTTTACA CGTGTCTGTA TTTTGCCACA 1500  
 ACCTGGATAT TGAAGCTATC CAAGCTTTTG AAATAAAAT TAAAAACCC AAGCCTGGGT 1560  
 GAGTGTGGGA AAAAAAAAAA AAAA

Name: 25 Len: 237 Check: 14F6  
 GGAGTATTGG AGAGGCGGCC TTATGAGGAC CAGGGGCTCG GGGAGACGAC TCCTCTTACT 60  
 ATCATCTGCC AGCCCATGCA GCCNCTGAGG GTCAACAGCC AGCCCGGCCC CCAGAACCGA 120  
 TGCCTTTTTG TGTGTCGGCA TGCTGAGAGG ATGGATGTTG TGTTTGGGAA GTACTGGCTT 180

3-1

GTCCCACTGC NTCGATNGCA AAGGCGNCTA CATNCGCAAG CAACCTNGAA CATNGCC 237  
 Name: 250 Len: 1121 Check: B93  
 GGAATTCCT ATAGAGCCGG CTGAGAGAGC GAGCGCCCGT CGGCGGGTGT CGAGGGCGGG 60  
 TTGCTTCGG CTGACCTTC CCGCCCTCCT TCTCGTCACA CACCAGGTCC CCGCGGAAGC 120  
 CGCGGTGTG CGGCCATGGC CGAGCTGACG GCTCTTGAGA GTCTCATCGA GATGGGCTTC 180  
 CCCAGSGGAC CGCGGAGAA GCTCTGGCC CTCACAGGGA ACCAGGGCAT CGAGGCTGCG 240  
 ATGGACTGGC TGATGAGACA CGAAGACGAC CCGATGTGG ACGAGCCTTT AGAGACTCCC 300  
 CTTGGACATA TCCTGGGACG GGAGCCCACT TCCTCAGAGC AAGGCGGCTT TGAAGGATCT 360  
 GCTTCTGCTG CCGGAGAAGG CAAACCCGCT TTGAGTGAAG AGGAAAGACA GGAACAACT 420  
 AAGAGGATGT TGGAGCTGGT GGCCAGAAAG CAGCGGGAGC GTGAAGAAAG AGAGGACCG 480  
 GAGGCATTGG AACGGGAACG GCAGCGCAGG AGACAAGGGC AAGAGTTGTC AGCAGCACGA 540  
 CAGCGGCTAC AGGAAGATGA GATGCGCCGG GCTGCTGCTG AGGAGAGGCG GAGGGAAAT 600  
 GCGGAGGAGT TAGCAGCCAG ACAAAGAGTT AGAGAAAAGA TCGAGAGGGA CAAAGCAGAG 660  
 AGAGCCAAAG AGTATGGTGG CAGTGTGGGC TCTCAGCCAC CCCCAGTGGC ACCAGAGCCA 720  
 GGTCTGTTC CTTCTTCTCC CAGCCAGGAG CCTCCACCA AGCGGGAGTA TGACCACTGT 780  
 CGCATACAGG TCAGGCTGCC AGATGGGACC TCACTGACCC AGACGTTCCG GGCCCGGGAA 840  
 CAGCTGGCAG CTGTGAGGCT CTATGTGGAG CTCACCGTG GGGAGGAACT AGGTGGGGGC 900  
 CAGGACCTTG TGCAATTGCT CAGTGGCTTC CCCAGACGGG CCTTCTCAGA AGCTGACATG 960  
 GAGCGGCCCTG TGCAGGAGCT GGGACTCGTG CCTTCTGCTG TTCTCATTGT GGCCAAGAAA 1020  
 TGTCCAGCT GAGGGCCTTT GTCCCATTTG CCTCTGTGA CCCCCTCATC TTGATAAAG 1080  
 CACTGACATC TCCTTCCTAA TAAATAGACC CTGAGTTCTG T 1121

Name: 251 Len: 2337 Check: 25F0  
 GGAGCGGCCA ACATGGCGGA ACGCAGGAGA CACAAGAAGC GGATCCAGGA AGTTGGTGAA 60  
 CCATCTAAG AAGAGAAGGC TGTGGCCAAG TATCTTCGAT TCAACTGTCC AACAAAGTCC 120  
 ACCAATATGA TGGGTACCCG GGTGATTAT TTTATTGCTT CAAAAGCAGT GGACTGTCTT 180  
 TTGGATTCAA AGTGGGCAAA GGCCAAGAAA GGAGAGGAAG CTTTATTTAC AACCAGGGAG 240  
 TCTGTGGTTG ACTACTGCAA CAGGCTTTTA AAGAAGCAGT TTTTCCACCG AGCCCTAATA 300  
 GTAATGAAAA TGAATATGA TAAAGACATA AAGAAAGAAA AAGATAAAGG AAAAGCTGAA 360  
 AGTGGAAAAG AAGAAGATAA AAAGAGCAAG AAGAAAATA TAAAGGATGA GAAGACAAAA 420  
 AAAGAAAAAG AGAAAAAAG AGATGGTGAA AAGGAAGAAT CCAAAAAGGA GGAACCTCCA 480  
 GGAACCTCTA AAAAGAAGGA AACTAAGAAA AATTCAAAC TTGAGCCACA TGATGATCAG 540  
 GTTTTTCTGG ATGGAATGA GGTGTATGTA TGGATCTATG ACCCAGTTCA CTTTAAACA 600  
 TTTGTCTATG GATTAATTCT TGTGATTGCA GTAATAGCGG CCACCCTCTT CCCCCTTTGG 660  
 CCAGCAGAAA TGAGAGTAGG TGTATTATAC CTCAGTGTGG GTGCAGGCTG TTTGTAGCC 720  
 AGTATTCTTC TCCTTGCTGT TGCTCGATGC ATTCTATTTC TCATCATTTG GCTCATAACT 780  
 GGAGGAAGGC ACCACTTTTG GTTCTTGCCA AATCTGACTG CTGATGTGGG CTTTCTGAC 840  
 TCCTTCAGGC CTCTGTACAC ACATGAATAC AAAGGACCAA AAGCAGACTT AAAGAAAGAT 900  
 GAGAAGTCTG AAACCAAAAA GCAACAGAAG TCCGACAGTG AGGAAAAGTC AGACAGTGAG 960  
 AAAAGGAAG ATGAGGAGGG GAAAGTAGGA CCAGGAAATC ATGGAACAGA AGGCTCGGGG 1020  
 GGAGAACGGC ATTCAGACAC GGACAGTGAC AGGAGGGAAG ATGATCGATC CCAGCACAGT 1080  
 AGTGGAAATG GAAATGATT TGAAATGATA ACAAAGAGG AACTGGAACA GCAACAGAT 1140  
 GGGGATTGTG AAGAGGATGA GGAAGAGGAA AATGATGGAG AAACACCTAA ATCTTCACAT 1200  
 GAAAAATCAT AATCTGACTA ATTTTGGGAC TGAATGAATA AGTACAAGAG GTTGGATTTT 1260  
 CTATGTTGGC TGATTACCAT ATTGAACACA TGGCATTGT AGCATTCTTT AATCTATCT 1320  
 ACTGAAATGT ATTTGACATT CAGGCAGTTA TATTCGGTCC TTCATTTTAT AGAATATTGG 1380  
 CACTATTATT GGTACAGTTT AAAGCCATTA ATATGTTTTA TCCATTTGAT AATTTTACAG 1440  
 TAAGTAGGTC TCATTCAATT TGACAGTTAT CAAAGATGTA CTTTCCACAG TTAATTTTAC 1500  
 ATTAATGGCA ATTTTGTATA GTTTTATGGC TTTTACTGT TAGACTAATC AAAATAACT 1560  
 TTAAAAGGAA CAAAGAAACT CCAACATTTT ACATTATGCA TAGTTATGTA GCCATTTCAC 1620  
 AGTTTCTTTA AGATGTGTAA ACTCATTTGTC CTTGATAGTT TTTATTTTTC ATTATAAAT 1680  
 TATACCAGGA GATTTCTTTT AAGATTCTGA GTTAGCAGAG TTCAAACTA TTTTGTGGAA 1740  
 ACAAGCCAAC TAGTAACAAT GCAGCAACAC TTCTGGTTTA GCTAAATTA TTTTCCAATG 1800  
 TAGGAAATCC AACTGATTT GTACGTCTGA CTGAGAGAAA GATGGTCGTC TCCAGCAGAG 1860  
 AAAGTGAACA GCATTTGTTG GAAGGTGATG GCTCTCCCTC CTCCCTCCCC ATTTTATTGG 1920  
 CCTAACGTA AGTGTATTCT GTACATAATT TACAATATA ACATTTTATT TTAATTGTTA 1980  
 CTTATTATT AGATATTCT CAACACTTAA ATTCATAAAA TTAAGACCAT GTAAGGGTAT 2040  
 GTTTTGTAG AGATGGAAG TTGAGTAACC CACAGAACAT CTGTGATCTT TCTACAGCAG 2100  
 CTTAGTTT GTGCCAATC TCCATGTATT TTGAATATGA GCAAAAACCTG ATCTTAAGAG 2160  
 CAGACTTAAA GTAGCTTTGT ACGCCTTAAT GTTCATTTTG ATTTATTTTA AATCTTTACA 2220  
 TTCAGAAATG AGATACTGTA TTATCAGACC AGGAGGCATT GCTGTGAAAG ATAATTTTCT 2280  
 ATTCTAAAT ATCAATTTA AAATAAGAT AATGAAAGAA AAAAAAATA AAAAAA 2337  
 Name: 252 Len: 3380 Check: 3E0  
 GCACACCATG GTGCACTTCT GTGGCCTACT CACCCTCCAC CGGGAGCCAG TGCCGCTGAA 60



32

GAGTATCTCT	GTGAGCGTGA	ACATTTACGA	GTTTGTGGCT	GGTGTGTCTG	CAACTTTGAA	120
CTACGAGAAT	GAGGAGAAAG	TTCCCTTTGGA	GGCCTTCTTT	GTGTTCCCCA	TGGATGAAGA	180
CTCTGTCTGT	TACAGCTTTG	AGGCCCTGGT	GGATGGGAAG	AAAATTGTAG	CAGAATTACA	240
AGACAAGATG	AAGGCCCGCA	CCAACATGA	GAAAGCCATC	TCCCAGGGCC	ACCAGGCCCT	300
CTTATTGGAG	GGGGACAGCA	GCTCCAGGGA	TGTCTTCTCT	TGCAATGTGG	GTAACCTCCA	360
ACCTGGGTCTG	AAGGCCGCGAG	TCACCCCTGAA	STATGTGCAG	GAGCTGCCTC	TGGAAGCAGA	420
TGGGGCTCTG	CGCTTTGTGC	TCCCAGCTGT	CCTGAATCCT	AGATACCAST	TCTCTGGGTC	480
GTCTAAGGAC	AGTTGCCTTA	ATGTGAAGAC	TCCTATAGTC	CCTGTGGAGG	ACCTGCCCTA	540
CACACTCAGC	ATGGTCGCCA	CCATAGATTG	CCAGCATGGC	ATTGAGAAGG	TCCAATCCAA	600
CTGCCCCCTTG	AGTCCCTACCG	AGTACCTAGG	AGAGGACAAG	ACTTCTGCTC	AGGTTTCCCT	660
GGCTGTCTGGA	CACAAGTTTG	ATCGGGACGT	GGAACCTCTG	ATTTACTACA	ATGAGGTGCA	720
TACCCCCAGC	GTGGTTTTGG	AGATGGGGAT	GCCTAACATG	AAGCCAGGTC	ATTTGATGGG	780
AGATCCCATCT	GCAATGGTGA	GTTTCTATCC	AAATATCCCA	GAAGATCAAC	CATCAAAATAC	840
CTGTGGAGAG	TTTATCTTTC	TCATGGACCG	CTCGGGAAGT	ATGCAGAGCC	CCATGAGTAG	900
CCAGGATACA	TCTCGCTGCG	AATACAGGCA	GCCAAGGAAA	CACTGATTTT	GCTGCTGAAG	960
AGTTTACCTA	TAGGCTGTTA	TTTCAACATC	TATGGATTTG	GCTCTTCTTA	TCAGGCATGC	1020
TTTCCGGAGA	GTGTGAAGTA	CACCTAGCAA	ACAATGGAGG	AGGCTCTGGG	GAGAGTGAAG	1080
CTTATGCAGG	CCGACCTTAGG	GGGCACTGAA	ATCTTGGCAC	CACTCCAGAA	CATTTACAGG	1140
GGACCCCTCCA	TCCCAGGCCA	CCCCCTACAG	CTTTTTGTCT	TTACAGATGG	AGAAGTTACA	1200
GACACGTTTA	GTGTAATTAA	AGAAGTTAGG	ATCAACAGAC	AGAAACACAG	GTGTTTCTCA	1260
TTTGGTATTG	GAGAAGGCAC	CTCCACCAGC	CTAATAAAAG	GTATTGCCCG	GGCATCAGGG	1320
GGCACCTCAG	AATTTATCAC	AGGCAAAGAC	AGGATGCAGT	CCAAGGCTCT	CAGGACTCTG	1380
AAACGCTCTC	TGCAGCCTGT	GGTAGAGGAT	GTCTCTCTGA	GCTGGCATT	GCCTCCTGGT	1440
CTGTCTGCTA	AAATGCTTTC	CCCAGAACAG	ACTGTCTCT	TTAGGGGTCA	GAGATTAATC	1500
AGCTATGCCC	AGCTGACCGG	GAGGATGCCA	GCAGCAGAGA	CAACAGGAGA	AGTATGCCCT	1560
AAATATACAC	TCCAGGGCAA	GACTTTTGAG	GATAAGGTGA	CATTTCTCT	ACAACCCCAAG	1620
CCTGATGTCA	ACCTCACCAT	TCACCGCCTT	GCTGCCAAGT	CCTTGCTCCA	GACCAAGGAC	1680
ATGGGCCTCA	GGGAGACTCC	AGCAAGTGAT	AAAAAAGATG	CATTGAACCT	TAGCCTTGAG	1740
TCTGGTGTCA	TAAGCTCCTT	CACAGCTTTC	ATTGCTATCA	ATAAGGAGCT	CAACAAGCCG	1800
GTTCCAGGGG	CTCTGGCTCA	TAGGGACGTC	CCAAGGCCAA	TTCTGTTGGG	TGCTTCTGCC	1860
CCATTGAAGA	TAAATGCCA	ATCAGGTTTT	CGAAAGGCCT	TACACTCTGA	CCGTCTCTCT	1920
TCTGCATCTC	AGCCCAGAGG	GGAACCTATG	TGTTATAAGG	CCAAGACATT	CCAGATGGAC	1980
GATTACAGTC	TCTGTGGGTT	GATAAGTCAC	AAGGACCAGC	ACAGTCCAGG	CTTTGGAGAG	2040
AATCACCTTG	TGCAGCTGAT	TTACCACCAA	AATGCAATG	GTTCCCTGGG	TCTGAATGAA	2100
GATCTAGCCA	AGATCCTAGG	TATGAGTTTG	GAAGAAATAA	TGGCTGCACA	GCCTGCCGAG	2160
CTTGTGGATT	CCTCAGGCTG	GGCCACCATC	CTGGCCGTGA	TCTGGCTGCA	CAGCAATGGT	2220
AAGGACTTGA	AGTGTGAATG	GGAGCTTCTG	GAAAGGAAGG	CCGTGGCCTG	GATGCGTGCC	2280
CATGCAGGCT	CCACCATGCC	TTCGGTTGTG	AAAGCTGCTA	TTACTTTCCT	GAAGTCATCT	2340
GTGGATCCTG	CTATCTTTGC	CTTTTGAAGA	TACCATCCAG	AAAAAGAAGT	GCCTTTAATT	2400
TGCTACTGTC	ATTTCTCTTA	GTATCACTTT	TGCTGTGATG	ATGTGTTCTT	GTGTATTATA	2460
ACTCTTTATT	TTTTGCCATA	AAAGTAAAGG	ATGCTTACTC	CACTTCGCTT	CTCTGCTCCA	2520
GGTTCACTTT	GGATATGATC	TTTCTTTTCC	CAACATATGC	CCTCAGAAAA	GTGACAGTGG	2580
TCCCAGAACCC	TATTCCCTTT	CTTGAGGGAG	TTCAAAACAT	TCATAGGCAG	TAATGTTTCT	2640
CCCAGGGTTT	CCAGGGAAAC	AACATGAAAA	ACAGGTGACA	TGAACCTACG	ACTAAAGATT	2700
GCAGCATTTA	TGTTAGAGAA	TGCTTGAATT	AGAGAATTTT	CTGCATTATC	TTTGTCTGTT	2760
CACCTTCTAT	CTTATATACT	TATCAGGGCC	ATACTGGTAA	GCTTGCGTAG	GAGGAGTTAG	2820
AGGGAAGTTG	AAAGCCAPCA	TCTGGATCAA	TGTAATGTCA	AGATCACAAA	GACAGAGACT	2880
GCAGGGGTCC	ACTGTGAGAG	GTGACACTGT	TGGGGACCTT	CCTGATTCTT	TCTTCTTGGG	2940
CTTTGTCTAGC	CTGTACAACC	TACATGTCTT	TTCTTCCACT	GCCTGAAAGA	CTTGGGTTGA	3000
ACTATAACTG	TTGGAGAGAG	ATGTTCTCTT	TTAATCATGA	AACACCTTAA	GAAGTCTATA	3060
ATGCAATCCT	TAGTCCTACC	CTGAACCTAT	GTGTCCTCTA	AGTCAGGCCC	TGATCTAGTG	3120
CAGTAAAGGG	AAGGSTGGGC	TTAATGGGAG	CTTTGCCTGG	GACCTGAACC	TGGAGCACTT	3180
ACCGCATTAG	GAAGAAAGGA	GCTCCCCGTA	ATCGTTCCCTG	ACCCTTGTGT	CTCATATACC	3240
CTATCCTGGT	GGAAATGACC	CTATTTGATA	TGCTGTCCCT	TAAAATAACT	TGTATCAATA	3300
TTAAATATGAC	TATTTCTACC	CTTTAAAAAA	AAAAAATAAA	AAAAAATAAA	AAAAAATAAA	3360
AAAAAATAAA	AAAAAATAAA					3380

Name: 253

Len: 6823 Check: 1202

GGCGGACAAA	ACGCCAGGCG	GATCTCAGAA	GGCCAGTTCA	AAGACGAGAT	CATCAGATGT	60
TCATTCATCT	GGATCTTCAG	ATGCACATAT	GGATGCATCT	GGACCCCTCAG	ATAGTGATAT	120
GCCAAGTCGG	ACACGACCTA	AGAGCCCAAG	AAAACATAAT	TATAGGAATG	AAAGTGCCCCG	180
TGAARGCCTT	TGTGATTCTC	CTCATCAGAA	TCTCTCAAGA	CCTCTTCTGG	AAAACAAACT	240
TAAAGCATTC	AGTATTGGAA	AAATGAGTAC	AGCTAAGCGA	ACTTTAAGTA	AAAAGGAACA	300
GGAAGAATTA	AAGAAAAGG	AGGATGAAAA	GGCAGCTGCT	GAGATTTATG	AGGAGTTTCT	360



33

TGCTGCTTTT	GAAGGAAGTG	ATGGTAATAA	AGTGAACA	TTTGTGCGAG	GGGGTGTGT	420
TAATGCAGCT	AAAGAAGAAC	ATGAAACAGA	TGAAAAAAGA	GGTAAAACT	ATAAGCCATC	480
TTCAGATTT	GCAGATCAAA	AAAATCCTCC	AAATCAGTCT	TCCAATGAAA	GACCACCATC	540
TCTTCTGTG	ATAGAAACCA	AAAAACCTCC	ACTTAAAAAA	GGAGAGAAAG	AAAAGAAAAA	600
AAGCAATTTG	GAATCTTCA	AAGAAGAATT	AAAGCAAATT	CAAGAGGAAC	GTGATGAGAG	660
ACATAAAACA	AAAGGCAGAT	TAAGTCGATT	TGAACCTCCT	CAGTCAGATT	CTGATGGTCA	720
GCGTCGTTCT	ATGGACGCGC	CTTCAAGAAG	AAATAGATCA	TCTGGTGTTC	TTGATGATTA	780
CGCACCTGGC	TCACATGATG	TAGGAGATCC	AAGCACTACT	AATTTATACC	TTGGAAACAT	840
TAATCCACAG	ATGAATGAAG	AAATGCTGTG	CCAAGAATTT	GGAAGATTTG	GACCGTTAGC	900
CAGTGTGAAA	ATCATGTGGC	CTAGAACTGA	TGAAGAAAGA	GCCAGAGAGA	GAAATTGCGG	960
CTTTGTGGCC	TTTATGAATA	GAAGAGATGC	TGAAAGAGCT	TTAAAAAATT	TGAATGGAAA	1020
AATGATTATG	TCTTTTGAAA	TGAAGTTAGG	TTGGGGTAAA	GCTGTACCTA	TTCTCCACA	1080
TCCAATATAC	ATTCCGCCTT	CTATGATGGA	ACATACGCTT	CCCCCACCTC	CATCCGGACT	1140
GCTTTTAAAT	GCGCAGCCTA	GAGAGCGGTT	AAAAAACCTT	AATGCTCCTA	TGTTACCGCC	1200
ACCTAAAAAC	AAAGAGGATT	TTGAGAAGAC	TCTGTGCGAA	GCCATAGTCA	AAGTGGTTAT	1260
CCCAACAGAA	AGGAATTTGC	TGCGCCTGAT	ACATCGAATG	ATAGAGTTTG	TTGTACGTGA	1320
AGGGCCAATG	TTTGAAGCTA	TGATTATGAA	CAGAGAAATC	AACAATCCTA	TGTTTCAGGTT	1380
CTTATTTGAA	AACCAGACAC	CAGCCCATGT	TTACTATAGG	TGGAAGCTTT	ATTCTATTCT	1440
GCAGGGAGAT	TCTCCAACTA	AATGGCGGAC	GGAAGATTTT	CGTATGTTCA	AAATGGATC	1500
TTTTTGGAGG	CCACCACCAT	TAAATCCGTA	CTTGATGGA	ATGTCAGAG	AGCAAGAAAC	1560
AGAAGCTTTT	GTAGAGGAAC	CTAGTAAAAA	GGGAGCACTT	AAGGAAGAAC	AGAGGGATAA	1620
ATTGGAAGAA	ATCTTGCGGG	GATTAACCTC	AAGGAAAAAT	GATATTGGAG	ATGCAATGGT	1680
TTTCTGTCTT	AATAATGCTG	AAGCTGCTGA	AGAAATAGTG	GATTGCATTA	CTGAGTCGTT	1740
GTCCATCTTA	AAGACACCCC	TTCTAAAAA	GATTGCCAGA	TTATATTGGG	TTTCTGATGT	1800
TTTGTACAAC	TCTTCAGCCA	AAGTTGCTAA	TGCTTCATAT	TATAGAAAAT	TTTTTGAAAC	1860
AAAGTTATGT	CAGATATTTT	CAGACCTCAA	TGCCACCTAT	CGTACAATTC	AAGGCCATTT	1920
ACAATCTGAA	AACTTTAAGC	AACGGGTAAT	GACTTGCTTC	AGAGCATGGG	AAGATTGGGC	1980
AATTTATCCA	GAACCATTTT	TGATCAAAT	ACAAAAATAT	TTCTTAGGAC	TTGTAATAT	2040
TATTGAAGAA	AAGGAAACAG	AGGATGTTC	AGATGACCTT	GATGGTGCCC	CCATCGAGGA	2100
AGAGCTTGAT	GGTGCACCTC	TGGAAGATGT	AGATGGAATT	CCTATTGATG	CTACTCCCAT	2160
CGATGATCTT	GATGGAGTCC	CTATAAAAAG	TCTTGATGAT	GATCTTGATG	GAGTGCCTTT	2220
GGATGCAACT	GAAGACTCAA	AAAAGAATGA	GCTATATTTT	AAAGTTGCCC	CATCAAAATG	2280
GGAAGCTGTG	GATGAATCTG	AATTGGAAGC	ACAGGCTGTT	ACAACTTCTA	AATGGGAATT	2340
ATTTGACCAG	CATGAAGAAT	CAGAAGAAGA	AGAAAATCAA	AATCAAGAAG	AAGAAAAGTGA	2400
AGATGAAGAA	GATACTCAAA	GTTCCAAATC	TGAAGAACAT	CATTTGTACT	CTAATCCAAT	2460
CAAGAAGAAA	ATGACTGAGT	CTAAGTTCTC	TAAGTACTCT	GAAATGAGTG	AGGAAAAACG	2520
AGCCAAACTT	CGTGAAATTG	AGCTCAAAGT	TATGAAGTTT	CAGGATGAAT	TGGAATCTGG	2580
GAAAAGACCT	AAAAAACCAG	GCCAGAGTTT	TCAGGAGCAA	GTAGAACACT	ACAGAGATAA	2640
ACTTCTTCAA	CGAGAGAAAG	AGAAAGAGTT	AGAAAGAGAA	CGAGAAAGAG	ACAAGAAAGA	2700
TAAAGAAAAA	TTGGAATCTC	GCTCCAAAGA	CAAGAAGGAA	AAAGATGAGT	GTACTCCGAC	2760
AAGGAAGGAA	AGGAAGAGGC	GACACAGTAC	ATCCCCCAGC	CCATCTCGCA	GTAGCAGTGG	2820
TAGACGAGTG	AAATCCCCAT	CACCAAAATC	GGAGCGATCA	GAGCGTTGAG	AAAGATCTCA	2880
TAAAGAGAGC	TCACGGTCCA	GGTCATCTCA	CAAAGATTCT	CCTAGAGATG	TTAGCAAAAA	2940
AGCCAAAAGA	TCACCATCTG	GTTCAAGGAC	ACCTAAAPAG	TCTAGGCGAT	CACGGTCTAG	3000
ATCTCCTAAA	AAATCAGGAA	AGAAGTCCAG	ATCCAGTCC	AGATCTCCAC	ACAGGTCTCA	3060
TAAAAAGTCA	AAGAAAAACA	AACACTGACG	TAAATTTTTA	AGATGCTGTC	ACTTATTGGA	3120
AATGCGATTT	GTTTTGTGCC	TGAACGGTCT	GTTTTTTAAA	AAAACAAAAA	ATCAAATGAA	3180
AGAGCAATCC	TGGGGTTTTT	TGTTTGTGTT	TGTATGCATG	TGTAAACTCA	TGAGCAACTG	3240
CATCTGTAGA	TCTGTCAATG	TTTTATATTG	TGTAAATTAC	TTTCATTGTG	GCTATTTCTC	3300
AAGATGAAT	TTTTATTGTT	CTAATGGATT	TCATCAGAAA	TGTGTATAAT	GGATCTGCTG	3360
ACAGTAGTAG	TATTTTGTGTT	TAGGATGTTG	TGACTTAGCA	AAAATAATAC	AGATGTCTTC	3420
CCCCCTTTTG	TAGCTTTGAC	AATTTGAATT	AGATTTCAAA	TAAAATCTGA	ACAGAAAACT	3480
ATAATGTTGT	TTTTTTGCCC	CACCGGTGAT	ATTAAGTCCC	TTAAAGTCCT	ACTGAGTTTC	3540
ACACTACTGT	TGTGCTTCTT	ATACCTGATG	CACCTTTATA	GCCCCAGTGT	TCAAGTAGCT	3600
TAAGTTTTAT	ATTTACTAAG	ATGACTATCC	AAATTAAGGG	ACCTGAGACT	CCTATTTGGT	3660
GGTTTGCTAA	CCATTTGCTT	TTGATAAGTT	TCTCTTGGGT	AATACTAATA	CCCAGATATC	3720
AAAGACTAGG	TAGATATGGC	ATGGCGTTTT	GTTAGTGGAA	TGCCTGGCTA	AAACATTTTT	3780
FTCACAGAAG	CAATATGATT	TCCATACATC	CAACCCATGT	TCTGAGCAAC	TACTTACTTT	3840
TAGGGGGAAA	TTAAATATCT	TTTCATTTCC	TCTTCTATTA	TGAAAGAAGT	TTATTTGTAA	3900
AACRAATTTT	CTAACAAGGT	TTGGCCATAG	AATTCTCTTG	TATGATTGTT	GACCTTTTAT	3960
AATCTTCTGT	AGGCTATCTT	TCAAACACTG	GCATCAGAAT	ATTTTTTATA	AGTTTGTGTT	4020
TAAACAGCTT	AGTTGGTCCC	CCCCCCCCT	CCCAAGAGAC	TTGGGTTTAG	TTATAGCTTT	4080
AAGTAAATTT	TAAAAATAAA	ATGTTTTTCA	GGAACTTCG	TATCTAATGG	TTGTAAATTT	4140

34

CAAGGTGCAA AAAGTTGATT TAAACCATTT GCAGAGTTGA ACTCTATTAT GAAAAATAAT 4200  
 TTGCTACGGT ATGAGGAAGA AATAAACTT GTGTAATGTT GGTCATAATA CTGCTATAAA 4260  
 TATAATAAAG GGTATGTAG AATTGAACTG ACACTATTAT TTGTGAATCT TGATTTCAGT 4320  
 TTTTATGTA GGCACCTCAT AACTGGTTT GATGGGTTTT TTTTTCCTC CCTAAAAGAG 4380  
 AAAGTAGAAA ACTATTCTAA CAATGGATTA TTTTGATTTA GCTTGCTTTT TAAAAAATC 4440  
 TTTTCAACTT GTTTTACTTA ATCTGCTTA GTCACAAAAT AAGATGTGCA CCCATGGTTT 4500  
 GGAGAGTTCC TATATTAGCT GAGCAGTGAG ATACACTATT TCCAAACGGT GCACACCTAC 4560  
 AGTAGCTTTG GAAATGAGCC AATCACTGTT TTACTTAATG GTTCTTATCA GCATGCAAAT 4620  
 ATTGCTTGAA AGTTATTTCC TTATTCACCTG TTTTGTAGT CCATTTTGTT AGGAAACATT 4680  
 AATTCCTAAA AATTTGTTCA GAATAATTAA AAGTGAACAT TTGGTGCTGA TACTCAAAA 4740  
 CCTACAAATG TAGCCATTTA AAAAGTAACA TGTTTTTCTC CCCTGCTCAT TGCCCTGGGAG 4800  
 AATGGAATTT TATATAACTA CCTTTCCTTG CAAAAATAAC GGTCGTGTCG AGTTGGTGGT 4860  
 GATTTTGGCA TTCCATCTTG CACTGGTTTC TAGTATAGGC TTAGAAATAA TTGGTCAGGT 4920  
 AATAATCTTT CCAGTCAAGT TGCAAGGGAT GCTTATTTCT CTTCAAAAAA AGACATCCTG 4980  
 CGGGATTGAG TAGAAAATTT TAGGTCAGTT TTGGGTGCTT ATTTGTAATA TTTTCTCTAC 5040  
 TACATTGGAG TTTAGCAGTT CTTTTTTTCT GGAICCCAGAT ACAAGTGTCA TGCTTTATCT 5100  
 TACAGTGGGT GAAACTGACT TTCTTTTGGT TGGGTGGGTG AGGATTTCTT AGGCCTGATA 5160  
 GAATATATAT TCTGTGAAGT TTGTTAATGT ACATATTAGA TTGTATTGGA TTTTCTTCTC 5220  
 TTGAATTGCA AATGGTATTA TTAGATAGGT TATTTCCAGT TTTACTTCAT GACAAATTC 5280  
 CTAGAGTAAA CCTACTTAAT ACTCCAATGG ATTCTATGAA AGTTAATGG GATCAGAAAT 5340  
 TGGTGACTTA TAAGGGGGAA GATATTCTAC CATATTTTTA TAATAGCTTA TTATTCATGT 5400  
 TTCTTGCTG AAGGACACTC AAGTTACAGA GCAAAATTTT TATAGGTTGA CTAGAATGTT 5460  
 CATAAGCATG GTCTTCCAGT TGCAGGAAAG ATCATGTTCT ATCTGTGGAC ACTTACTGTC 5520  
 CTCTACCACA GCTACGTGCC AGAGTTGTTT TCCACAGTTC TTATAAAGGG CATGACTTAG 5580  
 GCTCTTTACC CTCCAACCTA ATGTTTATAC ACAGGGATTG TTTACTAGGT TAATGACATT 5640  
 TAACCTCCCT CTCCTCTGTA GGTGAGAGAA AATAAGTAAG TCTTGATCTG TTTCTTACCA 5700  
 AAGAGAGACA GACCTATGAT GGAAATGAT CACGTCTCTG AATTTTTTCT TTAACGTTAT 5760  
 AGTTCCCTTAT TACAGATAGT AAGCATATGG GAATTTCTGA GCTATAACAT GTTGAGAAGT 5820  
 TAGAAATTAA AACTAACACA ACAAAGGCG CTGAATCAA AGATCTTTGC TTTTATTTGG 5880  
 CTCAGAATGT TTTTGGCTTT TCTGCTAAAG ATGGCAGAAA TTACTCTACA CAGACCTGAT 5940  
 TTTTCTTTAT TGCAGACCAT TCTGTGGGG TTAACCTGAG ACTTTTATCC CAATTAGTGA 6000  
 ATCTTGGAGG GAATACTTGC TTATTTATGA CTTAGGTATT TCCCCCAA CTTTAATATT 6060  
 CTTGAGCACT TGAAAATACT TTTGAGAAAT TTTAACTGTG ATTAATTTTA GGTTTATTAG 6120  
 AAATATTCTG TACACATTTG CCTCCATGGT GGTGTAAGTT CTGAAAAAT ATATGACCGT 6180  
 GACAATAGTT TATCATCATC ATTATTGTTA TTCAAAATAA GGGTAAATAA ATCTCTGTAT 6240  
 TGCCAAAGTG ACTTAAACTG TTCTGATGAC CACACAGTGT GATTTCTTTA GCAGAGAAAG 6300  
 TTGGTTTTAA AAATAAATAG TACCACCTTT CTAAGACTGT ACAGTTTACA AATAAGGTTT 6360  
 TTTTCTTTGT TGTTTTCTC TTCTATTAG TTTTAGTGAA AAGCCTAATT ACAGAAAAT 6420  
 GTGCAGATAC TAGTGAAGAT ACTAGTATAA GTTTAAAGGA ACATGTGACT GTAAAATCTC 6480  
 ACATTTACAA AGTGCTTGAT CTCTTCATAT TTCACACGCA TGTTTTAGAA TAGATTTTAG 6540  
 GGAGTGTTTA ATTCATTATC CTTTGAATT AAAATTTTTG TTACCAACTT CCTAGGACTT 6600  
 AGATAATATA TAAATAAGTA CAAATCCAG GGGAAAGTGT GTGATGCTAG ACTAAAAGGT 6660  
 GGAATGTGC TGCTGTTCCG TGAGCCTTGT TCCATTGTTG AAAATTTGAT GCCTCAGTGT 6720  
 TTATTCAGTA CCACCTCATG GAGCTTCAAT GTAAATGGAT TATATGTATA ATTGGTAATT 6780  
 TGTATAGTTT TGTAGATTGT AGATTAAATG CACTCATCAT GTC 6823

Name: 254 Len: 6252 Check: EDD  
 GCGGGGGGCA ATGGCACTGC AGCTCTGGGC CCTGACCCTG CTGGGCCTGC TGGGCGCAGG 60  
 TGCCAGCCTG AGGCCCCGCA AGCTGGACTT CTTCCGAGC GAGAAAGAGC TGAACCACCT 120  
 GGCTGTGGAT GAGGCCCTCAG GCGTGGTGTA CCTGGGGGCG GTGAATGCC TCTACCAGCT 180  
 GGATGCGAAG CTGCAGCTGG AGCAGCAGGT GGCCACGGGC CCGGCCCTGG ACAACAAGAA 240  
 GTGCACGCCG CCCATCGAGG CCAGCCAGTG CCATGAGGCT GAGATGACTG ACAATGTCAA 300  
 CCAGCTGCTG CTGCTCGACC CTCCCAGGAA GCGCCTGGTG GAGTGCGGCA GCCTCTTCAA 360  
 GGGCATCTGC GCTCTGCGCG CCCTGAGCAA CATCTCCCTC CGCCTGTTCT ACGAGGACGG 420  
 CAGCGGGGAG AAGTCTTTCTG TGGCCAGCAA TGATGAGGGC GTGGCCACAG TGGGGCTGGT 480  
 GAGCTCCAGG GGTCTGGTG GTGACCGGT GCTGTTTGTG GGCAAAGGCA ATGGGCCACA 540  
 CGACAACGGC ATCATCGTGA GCACTCGGCT GTTGGACCGG ACTGACAGCA GGGAGGCCCT 600  
 TGAAGCCTAC ACGGACCAG CCACCTACAA GGCCGGCTAC CTGTCCACCA ACACACAGCA 660  
 GTTCGTGGCG GCCTTCGAGG ACGGCCCTTA CGTCTTCTTT GTCTTCAACC AGCAGGACAA 720  
 GCACCCGGCC CGGAACCGCA CGCTGCTGGC ACGCATGTGC AGAGAAGACC CCAACTACTA 780  
 CTCCTACCTG GAGATGGACC TGCAGTGCCG GGACCCGAC ATCCACGCCG CTGCCTTTGG 840  
 CACCTGCCTG GCCGCTCCG TGGCTGCGCC TGGCTCTGGC AGGGTGCTAT ATGCTGTCTT 900  
 CAGCAGAGAC AGCCGGAGCA GTGGGGGGCC CGGTGCGGGC CTCTGCCTGT TCCCGCTGGA 960  
 CAAGGTGCAC GCCAAGATGG ASGECACCG CAACGCCTGT TACACAGGCA CCCGGGAGGC 1020

35

CCGTGACATC	TTCTACAAGC	CCTTCCACGG	CGATATCCAG	TGCGGGGGCC	ACGCGCCGGG	1080
CTCCAGCAAG	AGCTTCCCAT	GTGGCTCGGA	GCACCTGCCC	TACCCGCTGG	GCAGCCGCGA	1140
CGGGCTCAGA	GGCACAGCCG	TGCTGCAGCG	TGGAGGCGTG	AACCTCACGG	CCGTGACGGT	1200
CGCCCGCGAG	AACAACCACA	CTGTTGCTTT	TCTGGGCACC	TCTGATGGCC	GGATCCTCAA	1260
GGTGTACCTC	ACCCACAGATG	GCACCTCCTC	AGAGTACGAC	TCTATCCTTG	TGGAGATAAA	1320
CAAGAGAGTC	AAGCGCGACC	TGGTACTGTC	TGGAGACCTG	GGCAGCCTGT	ACGCCATGAC	1380
CCAGGACAAG	GTGTTCCGGC	TGCCGGTGCA	GGAGTGCCCTG	AGCTACCCGA	CCTGCACCCA	1440
GTGCCGCGAC	TCCCAGGACC	CCTACTGCGG	CTGGTGCGTC	GTGAGGGGAC	GATGCACCCG	1500
GAAGGCCGAG	TGTCCGCGGG	CCGAGGAGGC	CAGCCACTGG	CTGTGGAGCC	GAAGCAAGTC	1560
CTGCGTGCGC	GTCACCAGCG	CCCAGCCACA	GAACATGAGC	CGGCGGGCCC	AGGGGGAGGT	1620
GCAGCTGACC	GTCAGCCCTC	TCCCTGCCCT	GAGCGAGGAG	GACGAGTTGC	TGTGCTTTT	1680
TGGGGAGTCG	CCGCCACACC	CCGCCCGCGT	GGAGGGCGAG	GCCGTCTATC	GCAACTCCCC	1740
ARGCAGCATC	CCCGTCACAC	CGCCAGGCCA	GGACCACGTG	GCCGTGACCA	TCCAGCTCCT	1800
CCTTAGACGA	GGCAACATCT	TCCCTACGTC	CTACCAGTAC	CCCTTCTACG	ACTGCCGCCA	1860
GGCCATGAGC	CTGGAGGAGA	ACCTGCCGTG	CATCTCCTGC	GTGAGCAACC	GCTGGACCTG	1920
CCAGTGGGAC	CTGCGCTACC	ACGAGTGCCG	GGAGGCTTCG	CCCAACCCTG	AGGACGGCAT	1980
CGTCCGTGCC	CACATGGAAG	ACAGCTGTCC	CCAGTTCCTG	GGACCCAGCC	CCCTGGTGAT	2040
CCCCATGAAC	CACGAGACAG	ATGTGAACCT	CCAGGGCAAG	AACCTGGACA	CCGTGAAGGG	2100
TTCCTCCCTG	CACGTGGGCA	GTGACTTGCT	CAAGTTCATG	GAGCCGGTGA	CCATGCAGGA	2160
ATCTGGGACC	TTCGCTTTTC	GGACCCCAAA	GCTGTCCAC	GATGCCAACG	AGACGCTGCC	2220
CCTGCACCTC	TACGTCAAGT	CTTACGGCAA	GAATATCGAC	AGCAAGCTCC	ATGTGACCCT	2280
CTACAACTGC	TCCTTTGGCC	GCAGCGACTG	CAGCCTGTGC	CGGGCCGCTA	ACCCCGACTA	2340
CAGGTGTGCG	TGGTGCGGGG	GCCAGAGCAG	GTGCGTGTAT	GAGGCCCTGT	GCAACACCAC	2400
CTCCGAGTGC	CCGCCGCCCG	TCATCACCAG	GATCCAGCCT	GAGACGGGCC	CCCTGGGTGG	2460
GGGCATCCGC	ATCACCATCC	TGGGGTCCAA	TTTGGGCGTC	CAAGCAGGCG	ACATCCAGAG	2520
GATCTCTGTG	GCCGGCCGGA	ACTGCTCCTT	TCAGCCGGAA	CGTTACTCCG	TGTCCACCCG	2580
GATCGTGTGT	GTGATCGAGG	CTGCGGAGAC	GCCTTTCACG	GGGGGTGTG	AGGTGGACGT	2640
CTTCGGGAAA	CTGGGCCGTT	CGCCTCCCAA	TGTCCAGTTC	ACCTTCCAAC	AGCCCAAGCC	2700
TCTCAGTGTG	GAGCCGCGAC	AGGGACCGCA	GGCGGGCGGC	ACCACACTGA	CCATCCACGG	2760
CACCCACCTG	GACACGGGCT	CCCAGGAGGA	CGTGCGGGTG	ACCCTCAACG	GCGTCCCCTG	2820
TAAAGTGACG	AAGTTTGGGG	CGCAGCTCCA	GTGTGTCACT	GGCCCCCAGG	CGACACGGGG	2880
CCAGATGCTT	CTGGAGGTCT	CCTACGGGGG	GTCCCCCGTG	CCCAACCCCG	GCATCTTCTT	2940
CACCTACCGC	GAAAACCCCG	TACTGCGAGC	CTTCGAGCCG	CTACGAAGCT	TTGCCAGTGG	3000
TGGCCCGCAG	ATCAACGTCA	CGGGTCAGGG	CTTCAGCCTG	ATCCAGAGGT	TTGCCATGGT	3060
GGTCATCGCG	GAGCCCTGCG	AGTCTTGSCA	GCCGCCGCGG	GAGGCTGAAT	CCCTGCAGCC	3120
CATGACGGTG	TGGGTACAG	ACTACGTGTT	CCACAATGAC	ACCAAGGTG	TCTTCTGTG	3180
CCCCGCTGTG	CCTGAGGAGC	CAGAGGCCCTA	CAACCTCACG	GTGCTGATCG	AGATGGACGG	3240
GCACCGTGCC	CTGCTCAGAA	CAGAGGCCGG	GGCCTTCGAG	TACGTGCCTG	ACCCACCTT	3300
TGAGAACTTC	ACAGGTGGCG	TCAAGAAGCA	GGTCAACAAG	CTCATCCACG	CCCGGGGCAC	3360
CAATCTGAAC	AAGGCGATGA	CGCTGCAGGA	GGCGGAGGCC	TTCGTGGGTG	CCGAGCGCTG	3420
CACCATGAAG	ACGCTGACGG	AGACCGACCT	GTACTGTGAG	CCCCCGGAGG	TGCAGCCCCC	3480
GCCCCAAGCG	CGGCAGAAAC	GAGACACCAC	ACACAACCTG	CCCGAGTTCA	TTGTGAAGTT	3540
CGGCTCTGCG	GAGTGGGTGC	TGGGCCGCGT	GGAGTACGAC	ACACGGGTGA	GCGACGTGCC	3600
GCTCAGCCTC	ATCTTGCCGC	TGGTCATCGT	GCCCCATGGT	GTGCTCATCG	CGGTGTCTGT	3660
CTACTGCTAC	TGGAGGAAGA	GCCAGCAGGC	CGAACGAGAG	TATGAGAAGA	TCAAGTCCCA	3720
GCTGGAGGGC	CTGGAGGAGA	GCGTGCGGGA	CCGCTGCAAG	AAGGAATTCA	CAGACCTGAT	3780
GATCGAGATG	GAGGACCAGA	CCAACGACGT	GCACGAGGCC	GGCATCCCCG	TGCTGGACTA	3840
CAAGACCTAC	ACCGACCGCG	TCTTCTTCCT	GCCCTCCAAG	GACGGCGACA	AGGACGTGAT	3900
GATCACCGGC	AAGCTGGACA	TCCCTGAGCC	GCGGCGGCGG	GTGGTGGAGC	AGGCCCTCTA	3960
CCAGTTCTCC	AACCTGCTGA	ACAGCAAGTC	TTTCCTCATC	AATTTTCATC	ACACCCCTGA	4020
GAACCAAGCG	GAGTTCTCGG	CCCGCGCCAA	GGTCTACTTC	GCGTCCCTGC	TGACGGTGCC	4080
GCTGCACGGG	AAACTGGAGT	ACTACACGGA	CATCATGCAC	ACGCTCTTCC	TGGAGCTCCT	4140
GGAGCAGTAC	GTGGTGGCCA	AGAACCCCAA	GCTGATGCTG	CGCAGGTCTG	AGACTGTGGT	4200
GGAGAGGATG	CTGTCCAAC	GGATGTCCAT	CTGCCTGTAC	CAGTACCTCA	AGGACAGTGC	4260
CGGGGAGCCC	CTGTACAAGC	TCTTCAAGGC	CATCAAACAT	CAGGTGGAAA	AGGGCCCCGT	4320
GGATGCGGTA	CAGAAGAAGG	CCAAGTACAC	TCTCAACGAC	ACGGGCGTGC	TGGGGGATGA	4380
TGTGGAGTAC	GCACCCCTGA	CGGTGAGCGT	GATCGTGCAG	GACGAGGGAG	TGGACGCCAT	4440
CCCGGTGAAG	GTCTCAACT	GTGACACCAT	CTCCCAGGTC	AAGGAGAAGA	TCATTGACCA	4500
GGTGTACCGT	GGGCAGCCCT	GCTCCTGCTG	GCCCAGGCCA	GACAGCGTGG	TCCTGGAGTG	4560
GCGTCCSGGC	TCCACAGCGC	AGATCCTGTC	GGACCTGGAC	CTGACGTCAC	AGCGGGAGGG	4620
CCGGTGGGAAG	CGCGTCAACA	CCCTTATGCA	CTACAATGTC	CGGGATGGAG	CCACCCCTCAT	4680
CCTGTCCAAG	GTGGGGGTCT	CCCAGCAGCC	GGAGGACAGC	CAGCAGGACC	TGCTGGGGA	4740
GCGCCATGCC	CTCCTGGAGG	AGGAGAACCG	GGTGTGGCAC	CTGGTGGCGC	CGACCGACGA	4800

36

GGTGGACGAG	GGCAAGTCCA	AGAGAGGCAG	CGTGAAAGAG	AAGGAGCGGA	CGAAGGCCAT	4360
CACCGAGATC	TACCTGACGC	GGCTGCTCTC	AGTCAAGGGC	ACACTGCAGC	AGTTTGTGGA	4920
CAACTTCTTC	CAGAGCGTGC	TGGCGCCTGG	GCACGCGGTG	CCACCTGCAG	TCAAGTACTT	4980
CTTCGACTTC	CTGGACGAGC	AGGCAGAGAA	GCACAACATC	CAGGATGAAG	ACACCATCCA	5040
CATCTGGAAG	ACGAACAGCT	TACCGCTCCG	GTTCTGGGTG	AACATCCTCA	AGAACCCCCA	5100
CTTCATCTTT	GACGTGCATG	TCCACGAGGT	GGTGGACGCC	TCGCTGTCAG	TCATCGCGCA	5160
GACCTTCATG	GATGCCCTGCA	CGCGCACGGA	GCATAAGCTG	AGCCGCGATT	CTCCCAGCAA	5220
CAAGCTGCTG	TACGCCAAGG	AGATCTCCAC	CTACAAGAAG	ATGGTGGAGG	ATTACTACAA	5280
GGGGATCCGG	CAGATGGTGC	AGGTGAGCGA	CCAGGACATG	AACACACACC	TGGCAGAGAT	5340
TTCCCGGGCG	CACACGGACT	CCTTGAACAC	CCTCGTGGCA	CTCCACCAGC	TCTACCAATA	5400
CACGCAGAAG	TACTATGACG	AGATCATCAA	TGCCTTGGAG	GAGGATCCTG	CCGCCCAGAA	5460
GATGCAGCTG	GCCTTCCGCC	TGCAGCAGAT	TGCCGCTGCA	CTGGAGAACA	AGGTCACTGA	5520
CCTCTGACCT	ACAATCTCCA	GTGCTGCCTT	GGGACATAGG	TACCTGAGGT	ACCTGAGAGC	5580
CCCTCAGGGG	AGGAGGCCGA	GTGGCTGTGG	CTGAGGCCCC	CACCCCTCCC	TGGAACGCGC	5640
CCCAAGCCGG	AGTGGGTGCA	GCCGGAACCC	GCCCAGCGTC	TAGACTGTAG	CATCTTCCTC	5700
TGAGCAATAC	CGCCGGGCAC	CGCACCCAGCA	CCAGCCCCAG	CCCCAGCTCC	CTCCGGCCGC	5760
AGAACCAGCA	TGGGTGTCTC	ACTGTGAGT	CTCGAGTGAT	TTGAAAATGT	GCCTTACGCT	5820
GCCACGCTGG	GGGCAGCTGG	CCTCCGCCCTC	CGCCACGCA	CCAGCAGCCG	CCTCCATGCC	5880
CTAGGTTGGG	CCCCTGGGGG	ATCTGAGGGC	CTGTGGCCCC	CAGGGCAAGT	TCCCAGATCC	5940
TATGTCTGTC	TGTCCACCAC	GAGATGGGAG	GAGGAGAAAA	AGCGGTACGA	TGCCTTCCTG	6000
ACCTCACCAG	CCTCCCCAAG	GGTGCCGGCA	CTCTGGGTGG	ACTCACGGCT	GCTGGGCCCC	6060
ACGTCAAAGG	TCAAGTGAGA	CGTAGGTCAA	ETCCTACGTC	GGGGCCCAGA	CATCCTGGGG	6120
TCCTGGTCTG	TCAGACAGGC	TGCCCTAGAG	CCCCACCCAG	TCCGGGGGGA	CTGGGAGCAG	6180
TTCCAAGACC	ACCCACCCCC	TTTTTGTAAG	TCCTGTTCAT	TGTAATCAA	ATACAGCGTC	6240
TTTTTCACTC	CG					6252

Name: 255 Len: 7834 Check: 616

CGTCTGAAGG	TCACGAGCCC	CGCCGACAGC	CCAGACCCAG	TCCGGGCTAG	CCCGAGGCCT	60
CCCTGGAGGT	GGACGGTTTC	AGTCCACACA	TACTGGGACC	CCAGGGAGAC	ACTCACCAGC	120
ATCCGAGCCT	GCCATGTTTC	AGAGGCAGGT	CGCCGCCGGA	CTCCGACGCG	GCCGGGPAAG	180
CGACGGTGTC	CTGGAAGGAC	CGATCCACGC	AGACCGACAC	TGGGCGCGGA	CGCACGAACC	240
AAAGCGCGGG	AAGGAGGCGT	GAAGAAGGAC	GGACGTTAAA	GAGCTTCTCG	CCGCTGATTG	300
GTCAATCAGAG	GAGCACTTCC	TTACACAGGAC	GTGAAACGGG	GGCGGTTTGG	GAAGTTTAGA	360
GACCATTCTC	CGCCGACCAA	AACCCGTCAA	AGGATTATCA	GACACGCGGG	TCGGACGGTC	420
CACATCAGCC	GGCAGCCCGG	GCGGGTCCCG	GGGTGCGAGC	AGCGCACTTC	CGGTGAGCTA	480
TTTCGTTTTG	TATCCCTCCG	CCGACGTCAA	CGGGAAAGTA	GTGCGGACCG	CTCTCTCGGT	540
GGTCCGGGGT	GGTACAGCCA	CGTGACAACG	CCAGGCCCCG	CCTTCCCCCT	CTTTTGGTTA	600
CAGACGTGAG	GGCTCTTTGG	AGACGTAAAC	ATCTCCGAGT	GGCGAGGGTG	GGCGGGGGCTA	660
GGGCTTGGGA	AAGGGCGGGG	TGGCTTGCTT	GAGGTGTGGA	AAGACCAGAA	GAAGGTGAGG	720
TCAAGAGAGT	GCGAATGAGG	CATTCCAATG	TGTGGTGGGC	CCTGACCTGA	GAGAGTGGCG	780
CGGGGAGGGG	TGAAAGCGCG	GCGATCCTGG	AACGCCAGCG	GGCGTTGCGG	CCTATGCGCG	840
AGGGGCGGGG	CGATTAGGTC	ATAGAGCGGC	TCCCAGCGTT	CCCTGCGGCG	TAGGAGGCGG	900
TCCAGACTAC	AAAAGCGGCT	GCCGGAAAAGC	GGCCGGCACC	TCATTCAATTT	CTACCGGTCT	960
CTAGTAGTGC	AGCTTCCGGT	GGTGTCAATG	GTGTCTTCC	TCCGCTGCCG	CCCCCGCAAG	1020
GCTTCGCCGT	CATCGAGGCC	ATTTCCAGCG	ACTTGTGCGA	CGCTTTTCTA	TATACTTCGT	1080
TCCCCGCCAA	CCGCAACCAT	TGACGCCATG	TCCGGTTATT	CGAGTGACCG	AGACCGCGGC	1140
CGGGACCGAG	GGTTATTCCA	GTGACCGAGA	CCGCGGCCAC	CGAGGGTGAG	TTTGGGAGCC	1200
GAGCTGTGAG	GCCAGGCGGG	TGGGGGGATG	GGAGGGCGGG	TCAGGGTGGC	GGCCGGCGGG	1260
GGCTTTGCGG	CTTGGACTTG	GCCTTTCCGG	GCTATCTTGG	GACTTCCTTT	CCCGAACGTT	1320
GCGCCATTTT	GATATTACAG	TCACAGTGAT	TGGAAGAGAT	TTGACGGTGT	AGTGTCTTCA	1380
AGCTTGCTTT	TTGTGTGGGG	ATTTGGGGAG	CTGTCCGGGC	GGCTGCCATT	TGGTAGCTGT	1440
TGAGGGAGTT	GAGAGGGAGC	GTATTGTGCG	GATGAAAGCG	GACGCTTCGA	GGCATGACGA	1500
AGGAACATCT	GTTAGGTGCG	GCGTTTCCGT	AGGTGTTTTT	GGGGTGGCCG	GGCATTCTGT	1560
GGGAGCGAGG	GGACCACTTC	CAAAGCCCTG	GTGCTSTTGG	GGTAGGAGGG	CGGCCGGCAT	1620
CAGCCATGTG	GCTGAGTCGC	GAGTACAAAA	TGCCGGCCTC	GGACATGGCG	GCGGCGCCTT	1680
TGTTACCCCG	CCCGGCGGAG	GAGCTCAAAA	TGGCAGCGTC	GAGAAAAATGT	GGCGCAGAGA	1740
GAAATGCGAG	ACAAAGSGGG	AAGCGCCGOC	CCAGCGGGAA	CGCCGCCCGG	CCGACTCCGC	1800
CCGGGCGCGG	ACTCCTCCCC	CGGTAGTCGC	CGGCTCCTCC	TTTTCTTTT	TCCTGCGTTA	1860
TATAATTTTG	ATTCGTTGAT	CCGGAGCTCT	ACCGCGGCGT	TCCCCAGCT	GGGTTTGCTA	1920
GCAGAAGTGT	TTCTGAGAAA	ACCTTGTGTC	TGTTATCGCT	GACTGTACTG	TTTAGGTTCT	1980
TACCATCAAA	GCTGTTTGGT	TCCAAAACGG	CCATATGAGT	AACATCGTCG	TGATGCTCTT	2040
CGGTTCAATG	AGCCTTGTTA	TTGCTGATAG	TGAATTGCTA	GGCTGGTGGG	GAAGATTACA	2100
GTAACCACAA	GAAGTGGTGT	GTGCCAGAAT	CCCAAATCT	GGCATGTGGG	TGACAAAGTTT	2160
CCGACATGAT	AAATCCCCGG	CTTCCGACAT	GATAAATCCC	AGGCTGTTTA	CATGACCTAA	2220

37

GTAAATGTGTA	CTTGGGACTA	CGGGAAATGT	TAAGTGTGGC	TGTTGAGAGA	GAGAGAGATT	2280
TTCCACGAAGG	ACAGTGCTAG	GTTTACCTCT	CGAAGTCTGT	TTTCAGTGGT	TTTTAGCTTG	2340
TGCCAATGGA	TGACAAATCT	ATACAGAAAC	CTGGGTATAG	CCTAAAGAAA	ATGTGAATAA	2400
CGTTTTTTTT	CATTCCAGGT	TGGTGCACC	TCGATTTGGA	GGAAGTAGGG	CAGGGCCCTT	2460
ATCTGGAAAG	AAGTTTGGAA	ACCCTGGGGA	GAAATTAGTT	AAAAAGAAGT	GGAATCTTGA	2520
TGAGCTGCC	AAATTTGAGA	AGAATTTTTA	TCAAGAGCAC	CCTGATTTGG	CTAGGCGCAC	2580
AGCAGTGAGT	AAATTCATGT	GGCTTCATCA	GGCTGTAAC	CGATCGTGGA	TTCTAGTAAA	2640
TGAAATTCGT	ACAGGTGTTT	TGCAAAATAAC	TCAATTTTGG	TAGAGTTACA	TGTTCTGACT	2700
TCATAATTGG	GAAAGGTGTG	ACTCACTTTT	GGAATATAGG	TGGCTTTGGG	ATTTTACTT	2760
AAATTAGGTT	GAGTATAACA	AGAAATTTTT	TTTTCATAAT	AGGGTGTTC	TAGGTGGGTC	2820
AGATTAATAA	GAAGGCTACT	TTAACTAGTT	ACTAAATTAT	GAAGTTAGGG	GCTTATCAAT	2880
TACGTATTTA	CGTAGGGTGG	TGTCATGAAT	TTAGACTGTA	TATTGTTTGC	AGCAAGAGGT	2940
GGAAACATAC	AGAAGAAGCA	AGGAAATTAC	AGTTAGAGGT	CACAACTGCC	CGAAGCCAGT	3000
TCTAAATTTT	TATGAAGCCA	ATTTCCCTGG	TAAGTGCTAC	TTTTTCAGTT	TACCTACCCG	3060
TGTTTTTGT	TCCACCTACC	CCCTCTTTTT	CTTGGCATCA	CTAATTTTTA	CTAAATATCT	3120
GTTACTAATT	ATAGCAAATG	TCATGGATGT	TATTGCAAGA	CAGAAATTTCA	CTGAACCCAC	3180
TGCTATTCAA	GCTCAGGGAT	GGCCAGTTGC	TCTAAGTGGA	TTGGATATGG	TTGGAGTGGC	3240
ACAGACTGGA	TCTGGGAAA	CATTGTCTGT	AAGTTTGGGA	GAACCTCTGA	GTTGATCTGA	3300
TATATGCAAG	AAAATGTAAT	GGTAATTTAA	AAACGAGTAT	TTTAATGTGA	TTTCTGTTTG	3360
TCCCCACTTT	CACCTAAAT	AGTATTGCT	TCTGCCATT	GTCCACATCA	ATCATCAGCC	3420
ATTCCTAGAG	AGAGGCGATG	GGCCTATTGT	AAGTATATAT	TTTACTTTTA	TTAGAAGCAT	3480
AATGTGTAGA	TTTLAGACTA	CATAGCTAAA	GATGTAATCA	TTTGTGGTGG	TTTTATATAG	3540
AGGTTAGCTC	ATCCTATTCA	GCTGGAGCTG	TTTTGGGTAT	TGGACAACAC	ATGAAGAAAG	3600
GATCTGCTAG	TATAATAAGT	TAGCAGTTTA	AAACTAGTAC	CAGGTTTGTG	CTGAAAGCTG	3660
TTTCTCTTTT	CCTTAGTGT	TGGTGCTGGC	ACCAACTCGG	GAACCTGGCC	AACAGGTGCA	3720
GCAAGTAGCT	GCTGAATATT	GTAGAGCATG	TCGCTTGAAG	TCTACTTGTA	TCTACGGTGG	3780
TGCTCCTAAG	GGACCACAAA	TACGTGATTT	GGAGAGAGGT	ATGTAATGAA	AAGGGTTTTA	3840
TTTGTCAATG	GTGCTAAATA	TCCTAGGTAT	TGTAGTTACA	CTTACGTATT	TAATTAAGG	3900
TGTGGAAATC	TGTATTGCAA	CACCTGGAAG	ACTGATTGAC	TTTTTAGAGT	GTGGAAAAAC	3960
CAATCTGAGA	AGAACAACCT	ACCTTGTCCT	TGATGAAGCA	GATAGAATGC	TTGATATGGG	4020
CCTTGAAACC	CAAATAAGGA	AGATTGTGGA	TCAAATAAGA	GTAAGTGTCC	TTTGAAATAT	4080
GTGATCAAA	TGAATTGTGT	TTCACTCTTA	AGAGTCTGAT	ACTAATTTTT	CCCCCAAAA	4140
TCCATTAGCC	TSATAGGCAA	ACTCTAATGT	GGAGTGGCAC	TTGGCCAAA	GAAGTAAGAC	4200
AGCTTGCTGA	AGATTTCCTG	AAAGACTATA	TTCATATAAA	CATTGGTGCA	CTTGAAGTGA	4260
GTGCAAAACA	CAACATTCTT	CAGATTGTGG	ATGTGTGTCA	TGACGTAGAA	AAGGATGAAA	4320
AGTAAGTTTT	ATTAAGTCTG	TTATATTTGC	TTCCTAACAA	CTTTGCTGTA	AAATTGAGGA	4380
TCATTGTTTG	GTGAGTTGTT	TTAGGTTATT	TCAGTTGGTG	TGATTTTCA	TAGTTAGCCT	4440
ACTAATCCTG	AAAATTTCTT	GAATCTTCAA	ATAATGGCCG	TGACCTAAGG	ACCAAGGGTC	4500
TATGAAGAAT	TGAATTCATG	TCTCCCTGGT	TGACTTAAGG	ACCAAGGGTC	GAAGTGTCTG	4560
ATAAGTGGAT	TAGCAGGCGT	CTTCTTCTCT	TTTGACCTTT	CCAGCCATGT	AAATTGAAGT	4620
TAATGTTTTG	CTGACCATAA	ATGTGTGGCC	CTAGCAATGG	TCTTTTAAAA	CTCAGGATTT	4680
TCTTTTCTCT	CTCCTATTAT	TAGACTTATT	CGTCTAATGG	AAGAGATCAT	GAGTGAGAAG	4740
GAGAATAAAA	CCATTGTTTT	TGTGGAAACC	AAAAGAAGAT	GTGATGAGCT	TACCAGAAAA	4800
ATGAGGAGAG	ATGGGTATGT	GTGAGCTCCT	CCTTGAAGCA	GATTGATTAA	AACAGCTTAG	4860
GAAGGGCAAA	CTTGGATCAC	GAGCAGTGGA	TTTTTTTCAT	ATCTGATAGT	GAATTTAACT	4920
TTTTCATTTT	TGGCGAAATT	AAAGAGATCT	GTGACCAAAA	GTGGTCAAGC	ACTGGAGTCT	4980
GAGGTTTTCA	ATGTGAGTTT	AATAACACAA	CTTGTCTTTT	AACTTAGGTG	GCCTGCCATG	5040
GGTATCCATG	GTGACAAGAG	TCAACAAGAG	CGTGAAGTGG	TTCTAATATG	TAAATATTTT	5100
AAATGAAGTA	TTTTTCCCCC	TTACTTAACC	TAGCTAGAAT	TCAAACATGG	AAAAGCTCCT	5160
ATCTGTATG	CTACAGATGT	GGCCTCCAGA	GGGCTAGGTT	AGTACAACT	CGCATTCATG	5220
GCTTGGTTTC	CCAGAAGATC	TCCATTTAAC	TTTTTTTAAAG	AAAGTTTATT	GCTTTCTTTA	5280
ACCTGCATTT	TTTCTAAGTT	TTTTTTTACA	TAAAGGTGCT	GTCTTTGTGG	CAAGGCCCTAG	5340
GCATGACAAT	CGGAGGACTC	GAGGGGGATG	GAGGACTAGT	GATCGGCTGG	CTGCTTCCAG	5400
TCGATTAGAG	AGGTGAAAAG	CTGAACGTGT	GCCAGTAATC	TTCAAAAGGC	AGAACATATC	5460
ACCTCTGCCC	CGTAAACTGT	TCTCTCCGAG	GGAAAAATG	GAAGTTATCT	CACAGTTCAC	5520
TGCCGTGGTA	TTTCTTCTGT	CCCATGCTTT	GCATGACTGC	CATGGTACAG	CCTTGTTCAT	5580
AACTGTTTAC	TGTGATCTGT	GGGTCTTTGA	GTTTCAGTGA	GTTTGCTGAA	ATGTCGAAGA	5640
AGTAGTTCCA	AACTTCAATG	TTCAATGAAA	TTTTTGTTC	AGTTTGAAAT	GGAGAGAGCA	5700
GCTTTAAAAG	GTACTAAGCC	TTTTACAAAT	TGGTGAGTTA	CTGGCACATG	AGATCTAGAG	5760
CAGGAGCAAC	TTCTACACAC	TATGAGTAAG	TGGGAAAAGA	AAGTGCTTTG	AAAGTTCCTC	5820
CCTCACCTAC	ACAGTAGTCG	TCATGTGCG	ACCTGCCAGA	GAGAGACACA	TTCTCAAGTG	5880
AATCCTGGCT	TCTTGGGAAG	GCTTGCCCTAG	ACGAGACACA	GTGCATAAAA	ACAACCTTTT	5940
GGGGACAGGT	ATGTTTTCTT	GCAGCTGCGG	TTGTAAGGTC	TTGGCAAGAC	AAGCAGTGTG	6000

38

GCCAGAATTT	TGAACTTCTG	ATGAATGTGT	AATGCAAAGG	ACCTTGATCA	TTTTTTTGT	6060
TCAAGGTCCT	CAAAATGAGC	ACATGAAGAG	GTTGCTGTGA	AACTTTAAGT	GGCCCTACTG	6120
CGCAGAAGCA	TTCAGATGTC	ACTTGATGAT	CTGTAAGGGA	ACTTGCTGAT	TTGGGAATGT	6180
GCTTATTTAA	CACACATTCC	TTTGACAGG	GTCTGTCAC	GGGGTGGGG	TGATGAATTA	6240
TACAGATGAC	ATGTGCTTTT	TTTTCTTTT	TTCAACCTCA	ATGGTATTCC	TACAGGAAAT	6300
GGATAACCAT	TTTAACTGTA	TTTTTTTGCA	GCCCGTACCT	TCTTGGGAAT	ACAATTGTCT	6360
AACTTTTTAT	TTTTGGTCTG	GCTGTTGTGG	TGTGCAAAAC	TCCGTACATT	GCTATTTTGC	6420
CACACTGCAA	CACCTTACAG	ATGTGGAAGA	TGTGAAATTT	GTCATCAATT	ATGACTACCC	6480
TAACTCCTCA	GAGGATTATA	TTCATCGAAT	TGGAAGAAGT	GCTCGCAGTA	CCAAAACAGG	6540
CACAGCATAC	ACTTTCTTTA	CACCTAATAA	CATAAAGCAA	GTGAGCGACC	TTATCTCTGT	6600
GCTTCGTGAA	GCTAATCAAG	CAATTAATCC	CAAGTTGCTT	CAGTTGGTCT	AAGACAGAGG	6660
TTGAGGTAAG	GATGACTGAT	AGGAAATGTT	GGTAGTTACG	GTCACTACGT	ATACAAATCC	6720
ATTTAAATGG	TATTGGAGGG	TGAGTAAAC	CTTGAAGTGA	AAACTTAAGC	TGAAAAATTG	6780
TAAAAACATT	TCACGCTTAC	CATGAATAGA	TCTGTTCTT	CTGTCCACAA	TGATTTGTGT	6840
CATAGACATA	ATTGATCAAT	TTGCAATTGT	TTCTTTGACA	GGTCGTTCCA	GGGGTAGAGG	6900
AGGCATGAAG	GATGACCGTC	GGGACAGATA	CTCTGCGGGC	AAAAGGGGTG	GATTTAATAC	6960
CTTTAGAGAC	AGGGAATTT	ATGACAGAGG	TTACTCTAGC	CTGCTTAAAA	GAGATTTTGG	7020
GGCAAAAAC	CAGAAATGGT	TTTACAGTGC	TGCAAAATAC	ACCAATGGGA	GCTTTGGAAG	7080
TAATTTTGTG	TCTGCTGGTA	TACAGACCAG	TTTTAGGACT	GGTAATCCAA	CAGGGACTTA	7140
CCAGAATGGT	TATGATAGCA	CTCAGCAATA	CGGAAGTAAT	GTTCCAAATA	TGCACAATGG	7200
TATGAACCAA	CAGGCATATG	CATATCCTGC	TACTGCASCT	GCACCTATGA	TTGGTTATCC	7260
AATGCCAACA	GGATATCCCC	AATAAGACTT	TAGAAGTATA	TGTAATGTCT	TGTTTTTCAT	7320
AATTGCTCTT	TATATTGTGT	GTTATCTGAC	AAGATAGTTA	TTTAAGAAAC	ATGGGAATTG	7380
CAGAAATGAC	TGCAGTGCAG	CAGTAATTAT	GGTGCACTTT	TTCGCTATTT	AAGTTGGATA	7440
TTTCTCTACA	TTCTTGAAC	AATTTTATAG	TTTTTTTGT	ACTAGAAAAT	GCAGGCAGTG	7500
TTTTTACAAA	AGTAAATGTA	CAGTGATTTG	AAATACAATA	AATGAAGGCA	ATGCATGGCC	7560
TTCCAATAAA	AAATATTTGA	AGACTGAATT	AAGTGGAAAT	TGTACTTTAT	TTATATAATG	7620
TCATGTAAAA	CTTTGCTTAA	GATGGTCTGG	TTTTTTTTTT	GTTTTTGT	GTTTTTTTTT	7680
TTCCATGAAA	ACAAATGACT	GTTCTTTTTT	ATTTAATTTG	GGAGGCAGGG	GGAATCAGAA	7740
GGCCCTTCTT	TATAATGAGC	TATTCATATT	GCAGGAGTCA	GAATGAATTG	ATACAGGTGA	7800
ATTTTTAGTT	ACAGGCTAAA	TTGCATAAAA	GCTT			7834

Name: 256 Len: 903 Check: 215E

CGGCGGCGGC	GACAGGACCG	AGGGGCCCTTA	GTTGGTGGGC	AAGTCGGGGA	TCCCAGAAAG	60
AGAAGCGTGA	CCCGGAAGCG	GAAACGGGTG	TCCGTCCAG	CTCCGGCCTG	CCAGTGAGCT	120
TCTACCATCA	TGGACCTATT	GTTCCGGGCG	CGGAAGACGC	CAGAGGAGCT	ACTGCGGCAG	180
AACCAGAGGG	CCCTGAACCG	TGCCATGCGG	GAGCTGGACC	CGCAGCGACA	GAAACTAGAG	240
ACCCAGGAGA	AGAAAATCAT	TGCAGACATT	AAGAAGATGG	CCAAGCAAGG	CCAGATGGAT	300
GCTGTTGCGA	TCATGGCAAA	AGACTTGGTG	CGCACCCGGC	GTTATGTGCG	CAAGTTTGTA	360
TTGATGCGGG	CCAACATCCA	GGCTGTGTCC	CTCAAGATCC	AGACACTCAA	GTCCAACAAC	420
TCGATGGCAC	AAGCCATGAA	GGGTGTCACC	AAGGCCATGG	GCACCATGAA	CAGACAGCTG	480
AAGTTGCCCC	AGATCCAGAA	GATCATGATG	GAGTTTGAGC	GGCAGGCAGA	GATCATGGAT	540
ATGAAGGAGG	AGATGATGAA	TGATGCCATT	GATGATGCCA	TGGGTGATGA	GGAAGATGAA	600
GAGGAGAGTG	ATGCTGTGGT	GTCCCAAGTT	CTGGATGAGC	TGGGACTTAG	CCTAACAGAT	660
GAGCTGTGCA	ACCTCCCTC	AACTGGGGGC	TGCTTAGTG	TGGCTGCTGG	TGGGAAAAAA	720
GCAGAGGCCG	CAGCCTCAGC	CCTAGCTGAT	GCTGATGCAG	ACCTGGAGGA	ACGGCTTAAG	780
AACCTGCGGA	GGGACTGAGT	GCCCCTGCCA	CTCCGAGATA	ACCAGTGGAT	GCCCAGGATC	840
TTTTACCACA	ACCCCTCTGT	AATAAAAGAG	ATTTGACACT	AAAAAAAAAA	AAAAAAAAAA	900
AAA						903

Name: 257 Len: 1860 Check: DF4

CGTGAACGGT	CGTTGCAGAG	ATTGCGGGCG	GCTGAGACGC	CGCCTGCCTG	GCACCTAGGA	60
GCGCAGCGGA	GCCCCGACAC	CGCCGCCGCC	GCCATGGAGT	CCGAGACCGA	ACCCGAGCCC	120
GTCACGCTCC	TGGTGAAGAG	CCCCAACCAG	CGCCACCGCG	ACTTGGAGCT	GAGTGGCGAC	180
CGCGGCTGGA	GTGTGGGGCA	CCTCAAGGCC	CACCTGAGCC	GCGTCTACCC	CGAGCGTCCG	240
CGTCCAGAGG	ACCAGAGGTT	AATTTATTCT	GGGAAGCTGT	TGTTGGATCA	CCAATGTCTC	300
AGGGACTTGC	TTCCAAAGCA	GGAAAAACGG	CATGTTTTGC	ATCTGGTGTG	CAATGTGAAG	360
AGTCCTTCAA	AAATGCCAGA	AATCAACGCC	AAGGTGGCTG	AATCCACAGA	GGAGCCTGCT	420
GGTCTAATC	GGGGACAGTA	TCCTGAGGAT	TCCTCAAGTG	ATGGTTTAA	GCAAGGGGAA	480
GTTCTTCGGA	ACCTTTCTTC	CCCTGGATGG	GAAAACATCT	CAAGGCCTGA	AGCTGCCAG	540
CAGGCATTCC	AAGGCCTGGG	TCCTGGTTTC	TCCGGTTACA	CACCCTATGG	GTGGCTTCAG	600
CTTTCCTGGT	TCCAGCAGAT	ATATGCACGA	CAGTACTACA	TGCAATATTT	AGCAGCCACT	660
GCTGCATCAG	GGGCTTTTGT	TCCACCACCA	AGTGCACAAG	AGATACCTGT	GGTCTCTGCA	720
CCTGCTCCAG	CCCTATTCCA	CAACCAGTTT	CCAGCTGAAA	ACCAGCCTGC	CAATCAGAA	780
GCTGCTCCTC	AAGTGGTTGT	TAATCCTGGA	GCCAATCAAA	ATTTGCGGAT	GAATGCACAA	840

39

```

GGTGGCCCTA TTGTGGAAGA AGATGATGAA ATAAATCGAG ATTGGTTGGA TTGGACCTAT 900
TCAGCAGCTA CATTCTCTGT TTTCTCTAGT ATCCTCTACT TCTACTCCTC CCTGAGCAGA 960
TTCCCTCATGG TCATGGGGGG CACCGTTGTT ATGTACCTGC ATCACGTTGG GTGGTTTCCA 1020
TTTAGACCGA GGCCGGTTCA GAACTTCCCA AATGATGGTC CTCCTCCTGA CGTTGTAAAT 1080
CAGGACCCCA ACAATAACTT ACAGGAAGGC ACTGATCCTG AAACTGAAGA CCCCACCAC 1140
CTCCCTCCAG ACAGGGATGT ACTAGATGGC GAGCAGACCA GCCCCTCCTT TATGAGCACA 1200
GCATGGCTTG TCTTCAAGAC TTTCTTTGCC TCTCTCTCTC CAGAAGGCC CCCAGCCATC 1260
GCAAACTGAT GGTGTTTGTG CTGTAGCTGT TGGAGGCTTT GACAGGAATG GACTGGATCA 1320
CCTGACTCCA GCTAGATTGC CTCTCCTGGA CATGGCAATG ATGAGTTTCT AAAAAACAGT 1380
GTGGATGATG ATATGCTTTT GTGAGCAAGC AAAAGCAGAA ACGTGAAGCC GTGATACAAA 1440
TTGGTGAACA AAAAATGCC AAGGCTTCTC ATGTGTTTAT TCTGAAGAGC TTTAATATAT 1500
ACTCTATGTA GTTTAATAAG CACTGTACGT AGAAGGCCTT AGGTGTTGCA TGTCTATGCT 1560
TGAGGAACTT TTCCAAATGT GTGTGTCTGC ATGTGTGTTT GTACATAGAA GTCATAGATG 1620
CAGAAGTGGT TCTGCTGGTA AGATTTGATT CCTGTTGGAA TGTTTAAAT ACACAAAGTG 1680
TACTACTTTA TATAATCAAT GAAATTGCTA GACATGTTTT AGCAGGACTT TTCTAGGAAA 1740
GACTTATGTA TAATTGCTTT TAAAAATGCA GTGCTTTACT TTAAACTAAG GGGAACTTTG 1800
CGGAGGTGAA AACCTTTGCT GGGTTTTCTG TTCAATAAAG TTTTACTATG AATGACCCTG 1860

```

Name: 253

Len: 5350

Check: 199C

```

TTTATTGAAC ATTTATTCTG TTCAAAACAT TCCCAAAGGC AACAGAAGAT ACAATAAAT 60
CTCTGCCCAT GAAAAGGTGT GGGGGGCATT AGAAGGCGTT CTCTTCGGTG TAATGAAGTA 120
ATGAGAGAAG AAAAAGTAGT TTGAAGCTAT GGAGTAAGGG ACTTTGAGTA TCCCAGGCTC 180
AAAAAGTTGG GACTTGAACA GTACGGGGGT GCTGCTGAAA ACGTTTGAGG GAGGTAATGA 240
CATGATCGAA GCTATACTTT AGAAAGGTGA ATCTGATAAA GTATGAGTGA AAAAGAGACT 300
GAAGGTCTAG AAATTAGATT GAGGCTAATG ACAAATCCA CATAAATAGG AGGACTTGAA 360
CGAAGGGGCA CTTAGAAGAG GACAGGAGAT AGTAAAAGGC ATTCAATGAT GAGAGCACAC 420
ACTACAGGGG AGCATGAGGG AGGTGGGAAA AGATAATGAA AGGATTACCG AGCTTCACTG 480
ACGATGTGTT TGAAATGAGC AGGAATCTTG TAGTGATCCT AATCCGTGGT TTTCTGGAGC 540
ATTTACACAG CTAGGAACAT ACAAGGGGGG CATCTCCCTG GAATGTAAAT TGAATAAGAG 600
GAATTCATAA ATGGTCAAAT GAATGCAGAA TTTTAGAGTC TTGCTTAGTA TTCTCACCAC 660
ATTTGTTTTA GTCTACTCAT ACTCTTTTTC TCTTACTGCT GACACTAGAT GGAATAACTC 720
TTAATTAAAA GTATTTTACA AAATGTGCTC GTTTTCAGTC ATTCCGTTTC CACTCCAGCC 780
TGTTGTGTTG TTTTGTGAA ATAATAATTT AAAGTAATTT TCCTTTTGCA GGATGGCATA 840
GTCAATCCAA CAATAAGAAA AGATTTGAAA ACTGGACCGA AATTCTACTG CTGTCCAATT 900
GAAGGCTGCC CCAGAGGCCG TGAGAGACCG TTTTCTCAGT TTTCTCTCGT AAAACAGCAC 960
TTTATGAAAA TGCATGCTGA GAAGAAGCAC AAATGTAGTA AGTGCAGCAA TTCGTACGGT 1020
ACAGAATGGG ACCTGAAAAG ACATGCAGAG GACTGTGGCA AGACCTTCCG GTGCACATGC 1080
GGCTGTCCCT ACGCCAGTAG AACAGCACTG CAGTCTCACA TCTACCGAAC TGGGCACGAG 1140
ATACCTGCAG AACACAGGGA CCCACCTAGT AAGAAAAGGA AAATGGAAAA CTGTGCACAA 1200
AACCAGAAAT TATCCAACAA GACCATTGAA TCATTGAACA ACCAACCAAT CCTAGACCA 1260
GACACTCAAG AACTAGAAGC TTCAGAAATA AAGCTAGAAC CATCTTTTGA AGACTCTTGT 1320
GGCTCTAACA CTGACAAGCA GACTCTTACA ACACCACCGA GATATCCTCA GAAGTTGCTT 1380
TTACCAAAGC CCAAAGTGGC TTTGGTTAAA CTACCCGTGA TGCAGTTTTT TGTCATGCC 1440
GTCTTTGTGC CTACAGCCGA CTCCTCAGCC CAGCCTGTGG TGTTAGGTGT TGATCAGGGC 1500
TCTGCCACAG GGGCTGTGCA CTTAATGCCC TTGTCAAGTAG GAACCCTGAT CCTCGGCCTA 1560
GATTCAGAGG CTTGCTCTCT TAAGGAGAGC CTACCTCTTT TCAAAATTGC TAATCCTATT 1620
GCTGGTGAGC CAATAAGTAC TGGTGTTCAA GTGAACCTTT GTAAAGTCC ATCTAATCCT 1680
TTACAAGAAC TAGGGAACAC GTGTCAAAAG AATAGCAATT CTTCAATCAA CGTGCAGACA 1740
GATCTGTCTT ATGCCTCACA AAACCTTTATA CCTTCTGCAC AGTGGGCCAC TGCTGATTCC 1800
TCTGTGTCGT CTGTCTTCTA AACTGATTTG TCGTTTGATT CTCAAGTGTC TCTTCCCAT 1860
AGTGTTCACA CTCAGACATT TTTGCCCAGC TCTAAGGTAA CTTTCTCTAT AGCTGCTCAG 1920
ACTGATGCAT TTATGGACAC CTGTTTCCAG TCAGGTGGGG TCTCCAGAGA AACTCAAACC 1980
AGTGGGATAG AAAGTCCAAC GGATGACCAT GTACAGATGG ACCAAGCTGG AATGTGCGGA 2040
GACATTTTTG AGAGTGTTCA TTCATCATAT AATGTTGCTA CAGGTAACAT TATAAGCAAC 2100
AGTTTAGTAG CAGAGACAGT AACTCATAGT TTGTTACCTC AGAATGAGCC TAAGACTTTA 2160
AATCAAGATA TTGAGAAATC TGCACCAAT ATAAATTTCA GTGCACAGAA TAGTATGCTT 2220
CCTTCACAGA ACATGACAGA TAATCAGACC CAAACCATAG ATTTATTAAG TGATTTGGAA 2280
AACATCTTGT CAAGTAATCT GCCTGCCAG ACATTGGATC ATCGTAGTCT TTTGTCTGAC 2340
ACAAATCCTG GACCTGACAC CCAGCTCCCA TCTGGCCCAG CCCAGAACCC CGGAATCGAT 2400
TTTGATATCG AAGAGTTCTT TTCGGCCTCA AATATCCAGA CTCAAACCTGA AGAGAGTGAA 2460
CTTAGCACCA TGACCACCGA GCCAGTCTTG GAGTCACTGG ACATAGAGAC TCAAACGGAC 2520
TTCTTACTCG CAGATACCTC TGCTCAGTCC TATGGGTGTA GGGGAAATTC TAACCTCTTA 2580
GGCCTTGAGA TGTTTGACAC ACAGACACAG ACAGACTTAA ACTTTTTCTT AGACAGTAGC 2640
CCTCATCTGC CTCTGGGAAG TATTCTGAAA CACTCCAGCT TTCCCGTGAG TACTGATTCA 2700

```



40

TCTGACACAG AGACCCAAAC TGAAGGAGTC TCCACTGCTA AAAATATACC TGCTCTAGAA 2760  
 AGCAAAGTTC AGTTGAACAG TACAGAAACA CAGACCATGA GTTCTGGGTG TGAAACCCTG 2820  
 GGGAGCTTGT TCTTCACCAG CAACGAAACT CAGACAGCAA TGGATGACTT TCTTCTGGCT 2880  
 GATCTGGCCT GGAACACGAT GGAGTCTCAG TTCAGCTCTG TAGAAACCCA GACTTCTGCG 2940  
 GAACCACACA CAGTCTCCAA CTCTTAAAC TAACGGTGGG GTCCATGTGT GAAATGGCAT 3000  
 CTACCATTTC CTCTGGATTA AAACCTACGA CTGGGGACAA CAGTATTAA TCGATTGAAT 3060  
 GTGGCTGATG ATGCAGTTGC TTAGCTTCTT TGTGTTTCTT TGCCTTTTGT ACTTGTAAAC 3120  
 AGAAATTTGC GTATAAATGT GAGTGTATTA TAAAGTTTGA GATGTTGATC TAAATTTGTTT 3180  
 TTGTGTTGCC TACATTGGCC TTTTCACAGC TAGTCTTTTC ATGTTAAAAA AAAATGTAT 3240  
 TTCATATCTA TAAACCTAT ATAGCCATTT AGCTGAAGCC CAGCTTACCA GGTTCAGGG 3300  
 TACAACTTC TCAATCTTC AAAACATTTT AGTCAAAGTG TAATATACTT AAACCTGCACC 3360  
 TAAATATCT TTGGCACTGC TTGTTAGAAA TTCCTGATTC CTGTTACTAA TCACTAAAGA 3420  
 AACCGGATGC TGCCACCGTA GGATTTAAGC AGTAGTGCTT CCATGCTCTT AAGACTCCTG 3480  
 CTGCCTGGAC CTTCGTCAGC TTTGACACCT CTTTTCTGAT TTAAAGACAC CAAGGAAAAC 3540  
 TACAACTGTC TTTAGCTTTG AAGCAGTTT CATGTAATCA TTGCCACCTC TTCGCTACAT 3600  
 GAACTACTAT TGATACCAGC ATACAAGTGT ATAGCACTTT ACACACAAGA GGTTTATTGA 3660  
 TGTAAATTA TCGGCTAGGG AAGCAGCAGC GGGCCAGGTG TGGTGGCTTA CCCCTGTAAT 3720  
 CCCAGCACTT TGGGAGGCCA AAGCAGGAGC ATCACTTGAG CCCAGGAGTT CAACACCAGC 3780  
 TTGGGCAACA TAAGPAGACC GTGTCTCTGG AATTTTTTTT TTTTTTAAT AGCCAGGCAC 3840  
 AGTGGCATGC GCCTGTGATC CCAGCTACTT GGAAGGCTGA GGTGAGAGGA TCACTCGAGG 3900  
 AGATTGGGGC TGCCATGAGC CATGCTCTTG GCACTGTACT CCAACCTGGG TAACAGGGCA 3960  
 AGACCCTATC TCAAAAAA AAAAAAAAGT CGCCAGCAAC AAGCACGTAG TGTAGTGTTC 4020  
 CTGCTAAATG AGCATAGGTT ATCCAAACCT TGGGAACAGG GAGTTATGGA AACGTGCCTA 4080  
 TGACTTCATC TTGGGGTGTG TCCTATGAAG ATCCTTTCTG GTCTCCACAG TAGGCCAGAG 4140  
 TTGGGGGCTC TGGAGCTGTT TCCCCAAGTG CATCCACAAG CTGGATCTGA GTTTTGTCTAC 4200  
 TCTAAATTA AACAGAAAAA AAAGTGGGAA AAGGGCATCC CCCATTAGGT TTCAATACTT 4260  
 TGCATCTCTA CTAAGCTTGA TAGGGCAGGA GTGCAATCTA CAATTATTTT AAAGTGAATT 4320  
 TCCTTCCATT CACCATTCTT TATCTTTTCT TTGAATAAGA AAAAGTATCT AGCAAGGATA 4380  
 TTAATTGTGC CTTGAGGCTA GCAATTATAG GATAGATTCA TCTAAATAT GGTATTCTGC 4440  
 ATTTTGGTTT TTTTCTTAA GTGAATAATA CCAGTCTTCA AAGAAAACAA GGTGAAGACC 4500  
 TATTGCTTCA ATAATCAAGA ATGCTTTGTG TGTTTTGAGG TAGGAGCATG ATCAAGTATG 4560  
 CTTTGGGGAT TTTCTGTATT TAGGAGATCC CTGTAAGTTC TCCACATTGA CACACACACA CACACACACA 4680  
 CAAGTAGGAA TCAGTGCAGC GTGTAAGTTC TCCACATTGA CACACACACA CACACACACA 4740  
 CACACACACA CACACGACAT GCTCCTTTCT GTGGCACATG CCTGTATTAC TGAAAGCTAA 4800  
 ATCCTCAAAA CCTAGTAAGG GGACCAATGA TTCATTAAAG TAAATTGATG GTTTTGCTAC 4860  
 TAATTCCTAT CCCATACATT TGACACAAAA GAAGTGTGG TAATGGATAA ATAACATATC 4920  
 CCGGGCAGAT GAGCTCAACC TAGTAGGTAA GAGTTTGGTT TGGTCACAGT TGCCTATGAG 4980  
 TGTGGGTTTC AAAAGAAACA TAAAGCCTTA ACTTAGAATT TCATTATGTT TTAGAATCAT 5040  
 CACTGCCTTA ATATTCAAGC ATCTATTTAA GTCCTAATAA AGGAGAAATG CATGTTTATG 5100  
 GCTTTTTTGT AAATATAAAT GCAGTGATCT ATGGCTTAAA AAATTTGTTT CTGTGACAAT 5160  
 GTTTGTAAAT CTAGCCAATA GAGTCATTTA CAGAAGAAAA ATGAGCATGT AATAATACAA 5220  
 GAACTGTTTC CCCCTCAAAA CCTGAACCTG AATTATTTGT AAAAAGTAA ATTTAATGAT 5280  
 TAAAGAGAAG CCAGAATTGT ACCCTTTTTT GTGAATTCTT GAACGTACTC ATAAATATGA 5340  
 CTTATGTAT TGCCTTAAGT TTTCACTCAT TGTCTTTTGA AAGCCATATG ATAAATATGA 5350  
 TTTATTTAAT

Name: 259

Len: 3497 Check: 233D

CTGTGGGATC AGAGGGCAGC CCTATTACAA CCAGAAAAC ACAAAGTATAA CAGCGAGGAT 60  
 GGATGAACAG GCTCTATTAG GGCTAAATCC AAATGCTGAT TCAGACTTTA GACAAAGGGC 120  
 CCTGGCCTAT TTTGAGCAGT TAAAAATTTT CCCAGATGCC TGGCAGGTGT GTGCAGAAGC 180  
 TCTAGCCCAG AGGACATACA GTGATGATCA TGTGAAGTTT TTCTGCTTTC AAGTACTGGA 240  
 ACATCAAGTT AAATACAAAT ACTCAGAACT AACCAGTGT CAACAACAGC TAATTAGGGA 300  
 GACGCTCATA TCATGGCTGC AAGCTCAGAT GCTGAATCCC CAACCAGAGA AGACCTTTAT 360  
 ACGAAATAAA GCCGCCCCAG TCTTCGCCTT GCTTTTTGTT ACAGAGTATC TCACTAAGTG 420  
 GCCCAAGTTT TTTTTTGACA TTCTCTCAGT AGTGGACCTA AATCCAAGGG GAGTAGACT 480  
 CTACCTGCCA ATCCTCATGG CTATTGATTC AGAGTTGGTG GATCGTGATG TGGTGACATC 540  
 ATCAGAGGAG GCTCGTAGGA ATACTCTCAT AAAGATACC ATGAGGGAAC AGTGCATTCC 600  
 AAATCTGGTG GAATCATGGT ACCAAATATT ACAAATTTAT CAGTTTACTA ATTCTGAGT 660  
 GACGTGTCAG TGCCTTGAAG TAGTTGGGGC TTATGTCTCT TGGATAGACT TATCCCTTAT 720  
 AGCCAATGAT AGGTTTATAA ATATGCTGCT AGGTCAATATG TCAATAGAAG TTCTACGGGA 780  
 AGAAGCATGT GACTGTTTAT TTGAAGTTGT AAATAAAGGA ATGGACCCTG TTGATPAAAT 840  
 GAAACTAGTG GAATCTTTGT GTCAAGTATT ACAGTCTGCT GGGTTTTTCA GCATTGACCA 900  
 GGAAGAAGAT GTTGAATTC TGGCCAGATT TTCTAAGTTG GTAAATGGAA TGGGACAGTC 960  
 ATTGATAGTT AGTTGGAGTA AATTAATTA GAATGGGGAT ATTAAGAATG CTCAGAGGCG 1020



41

ACTACAAGCT	ATTGAAACAA	AAGTGGCACT	GATGTTGCAG	CTACTAATTC	ATGAGGATGA	1080
TGATATTTCT	TCTAATATTA	TTGGATTTTG	TTACGATTAT	CTTCATATTT	TGAAACAGCT	1140
TACAGTGCTC	TCCGATCAGC	AAAAAGCTAA	TGTAGAGGCA	ATCATGTTGG	CCGTTATGAA	1200
AAAATTGACT	TACGATGAAG	AATATAACTT	TGAAAATGAG	GGTGAAGATG	AAGCCATGTT	1260
TGTAGAATAT	AGAAAACAAC	TGAAGTTACT	GTTGGACAGG	CTTGCTCAAG	TTTCACCAGA	1320
GTTACTACTG	GCCTCTGTTC	GCAGAGTTTT	TAGTCTTACA	CTGCAGAATT	GGCAGACTAC	1380
ACGGTTTATG	GAAGTTGAAG	TAGCAATAAG	ATTGCTGTAT	ATGTTGGCAG	AAGCTCTTCC	1440
AGTATCTCAT	GGTGCTCACT	TCTCAGGTGA	TGTTTCAAAA	GCTAGTGCTT	TGCAGGATAT	1500
GATGCGAACT	CTGGTAACAT	CAGGAGTCAG	TTCCATATCAG	CATACATCTG	TGACATTGGA	1560
GTTCTTCGAA	ACTGTTGTTA	GATATGAAAA	GTTTTTCACA	GTTGAACCTC	AGCACATTCC	1620
ATGTGTACTA	ATGGCTTTCT	TAGATCACAG	AGGTCTGCGG	CATTCCAGTG	CAAAAGTTTCG	1680
GAGCAGGACG	GCTTACCTGT	TTTCTAGATT	TGTCAAATCT	CTCAATAAGC	AAATGAATCC	1740
TTTCATTGAG	GATATTTTGA	ATAGAATACA	AGATTATTTA	GAGCTTTCTC	CACCTGAGAA	1800
TGGCCACCAG	TCCTTACTGA	GCAGCGATGA	TCAACTTTTT	ATTTATGAGA	CAGCTGGAGT	1860
GCTGATTGTT	AATAGTGAAT	ATCCGGCAGA	AAGGAAAACAA	GCCTTAATGA	GGAATCTGTT	1920
GACTCCACTA	ATGGAGAAGT	TTAAAATTCT	GTTAGAAAAG	TTGATGCTGG	CACAAGATGA	1980
AGAAAGGCAA	GCCTCTCTAG	CAGACTGTCT	TAACCATGCT	GTTGGATTTG	CAAGTCCGAAC	2040
CAGTAAAGCT	TTCCAGCAACA	AACAGACTGT	GAAACAATGT	GGCTGTTCCG	AAGTTTATCT	2100
GGACTGTTTA	CAGACATTCT	TGCCAGCCCT	CAGTTGTCCC	TTACAAAAGG	ATATTCTCAG	2160
AAGTGGAGTC	CGTACTTTCC	TTCATCGAAT	GATTATTTGC	CTGGAGGAAG	AAGTTCTTCC	2220
GTTCAATCCA	TCTGCTTCAG	AACATATGCT	CAAAGATTGT	GAAGCAAAAG	ATCTCCAGGA	2280
GTTCAATCCCT	CTTATCAACC	AGATTACGGC	CAAAATCAAG	ATACAGGTAT	CCCCGTTTTT	2340
ACAACAGATG	TTCTATGCCCC	TGCTTCATGC	AATTTTTGAA	GTGCTGCTCC	GGCCAGCAGA	2400
AGAAAATGAC	CAGTCTGCTG	CTTTAGAGAA	GCAGATGTTG	CGGAGGAGTT	ACTTTGCTTT	2460
CCTGCAACACA	GTACACAGGCA	GTGGGATGAG	CGAAGTTATA	GCAAATCAAG	GTGCAGAGAA	2520
TGTAGAAAAGA	GTGTTGGTTA	CTGTTATCCA	AGGAGCAGTT	GAATATCCAG	ATCCAATTGC	2580
ACAGAAAACA	TGTTTTATCA	TCCTCTCAAA	GTTGGTAGAA	CTCTGGGGAG	GTAAAGATGG	2640
ACCAGTGGGA	TTTGCTGATT	TTGTTTATAA	GCACATTGTC	CCCGCATGTT	TCCTAGCACC	2700
TTTAAACAA	ACCTTTGACC	TGGCAGATGC	ACAAACAGTA	TTGGCTTTAT	CTGAGTGTGC	2760
AGTGACACTG	AAAACAATTG	ATCTCAAACG	GGGCCCAGAA	TGTGTTTCAGT	ATCTTCAACA	2820
AGAATACCTG	CCCTCCCTGC	AAGTAGCTCC	AGAAATAATT	CAGGAGTTTT	GTCAAGCGCT	2880
TCAGCAGCCT	GATGCTAAAG	TTTTTAAAAA	TTACTTAAAG	GTGTTCTTCC	AGAGAGCAAA	2940
GCCCTGAGGA	CTGGATTTCC	CTGTGCCTAC	TTCATGATCA	TGAATTCCAG	TTAATTTATA	3000
AAGAGGCGAT	TTTTGTGTGC	CATTCACACT	GGTCTTTTTT	ACATTGTTTT	GAGCTTATTG	3060
CAGTATATGT	TTTGGGATTT	TTCTGTAAAA	TGGGTGTAAT	TTTCCTAATA	CAGGTATGTA	3120
ACAACAAAAG	AAGTTGCCTG	CATGCCGGTC	CAAATTGTTT	TGTATAAAGA	TGCTCTTAAA	3180
AGACACAAGA	GTTATCCTAG	AACCTTAATT	CTTTTTTATT	TGAAATTTTA	AGTCAAGTCC	3240
TTTATAAAGA	CCATAGCAGT	GGAAAACAGT	GTACTTTTTA	AAAAATTGCT	GAATATAAAA	3300
TCTTGGAAAA	TTTTCTTTAT	GTGTGAAGAC	ACAAAGTATG	GGGGAAGACA	GCAATCAAAA	3360
CTAACTTTTT	GTAGATAGCC	ATTTCAATTT	TTTAAACTGT	TTCAACGCCA	ATATGTATTC	3420
TACAAAAGAG	AATGGTTTTA	GGCTCCAGTG	TTATACTTTT	TTTTATATAT	ATATATAAAA	3480
ATAAACTTTA	CGTAGTGT					3497

Name: 26	Len: 620	Check: 9F5				
AATTCGGCAT	GAGGGGGCAC	AGAGCCATCT	TCTTCAATCG	GATCGGTGGA	GTGCAGCAGG	60
ACACTATCCT	GGCCGAGGGC	TNTCACTTCA	GGATCCCTTG	GTTCCAGTAC	CCCATTATCT	120
ATGACATTCC	GGCCAGACCT	CGAAAAATCT	CCTCCCCCTAC	AGGCTCCAAA	GACCTACAGA	180
TGGTGAATAT	CTCCCTGCGA	GTGTTGTCTC	GACCCAATGC	TCAGGAGCTT	CCTAGCATGT	240
ACCAGCGCCT	AGGGCTGGAC	TACGAGGAAC	GAGTGTGGCC	GTCCATTGTC	AACGAGGTGC	300
TCAAGAGTGT	GGTGGCCAAG	TTCAATGCCT	CACAGCTGAT	CACCCAGCGG	GCCCAGGTAT	360
CCCTGTTGAT	CCGCCGGGAG	CTGACAGAGA	GGGCCAAGGA	CTTCAGCCTC	ATCCTGGATG	420
ATGTGGCCAT	CACAGAGCTG	AGCTTTANCC	GAGAGTACAC	AGCTGCTGTA	GAAGCCAAAC	480
AAGTGGCCCA	NCAGGAGGCC	AGCCGANATT	TCTTGGTAGA	AAAANCAAN	AGGAACAGCG	540
GCAGAAANTG	TCAGGCCGAG	GTGAGCGAGC	TGCAAGATGC	TTGAGAACAT	GANAGAACC	600
TGGCTACATA	ACTNGCAAGA					620

Name: 260	Len: 5238	Check: 16B5				
GAATTCGGCA	CGAGGTCTTC	CTGTCCCGGA	GCTACCAAGC	GCTCGCCGAT	GCCTGTAGGG	60
GCCTCCTGGC	ACTGCTGTTT	CCTCTCAGAT	ACAGCTTCAC	CTATGTGCCC	ATCCTGCCGG	120
CTCAGCTGCT	GGAGGTCCCT	AGCACACCCA	CGCCCTTCAT	CATTGGGGTC	AACGCGGCCT	180
TCCAGGCAGA	GACCCAGGAG	CTGCTCGATG	TGATTGTTGC	TGATCTGGAT	GGAGGGACGG	240
TCACCATTC	TGAGTGTGTG	CACATTCCAC	CCTTGCCAGA	GCCACTGCAG	AGTCAGACGC	300
ACAGTGCTG	GAGCATGGTC	CTGGACCCGG	AGCTGGAGTT	GGCTGACCTC	GCCTTCCCTC	360
CGCCACGAC	ATCCACCTCC	TCCCTGAAGA	TGCAGGACAA	GGAGCTGCGC	GCGGTCTTCC	420
TGCGCCTGTT	CGCTCAGCTG	CTGCAGGGCT	ATCGCTGGTG	CCTGCACGTC	GTGCGCATCC	480

42

ACCCGGAGCC	TGTCATCCGC	TTCCATAAGG	CAGCCTTCCT	GGGGCAGCGT	GCGCTGGTAG	540
AGGACGATTT	CCTGATGAAG	GTGCTGGAGG	GCATGGCCTT	TGCTGGCTTT	GTGTCAGAGC	600
GTGGGGTCCC	ATACCGCCCT	ACGGACCTGT	TCGATGAGCT	GGTGGCCAC	GAGGTGGCAA	660
GGATGCGGGC	GGATGAGAAC	CACCCCCAGC	GTGTCTTGGC	TCACGTCCAG	GAACTGGCAG	720
AGCAGCTCTA	CAAGAACGAG	AACCCGTACC	CAGCCGTGGC	GATGCACAAG	GTACAGAGGC	780
CCGGTGAGAG	CAGCCACCTG	CGACGGGTGC	CCCGACCCTT	CCCCGGGCTG	GATGAGGGCA	840
CCGTGCAGTG	GATCGTGGAC	CAGGCTGCAG	CCAAGATGCA	GGGTGCACCC	CCAGCTGTGA	900
AGGCCGAGAG	GAGGACCACC	GTGCCCTCAG	GGCCCCCAT	GACTGCCATA	CTGGAGCGGT	960
GCACTGGGCT	GCATGTCAAC	AGCGCCCGGC	GGCTGGAGGT	TGTGCGCAAC	TGCATCTCCT	1020
ACGTGTTTGA	GGGGAAAATG	CTTGAGGCCA	AGAAGCTGCT	CCCAGCCGTG	TTGAGGGCCC	1080
TGAAGGGGCG	AGTTGCCCGC	CGCTGCCTCG	CCCAGGAGCT	GCACCTGCAT	GTGCAGCAGA	1140
ACCGTGCGGT	CCTGGACCAC	CAGCAGTTTG	ACTTTGTCTG	CCGTATGATG	AACTGCTGCC	1200
TGCAGGACTG	CACCTTCTCT	GACGAGCATG	GCATTGCGGC	GGCTCTGCTG	CCTCTGGTCA	1260
CAGCCTTCTG	CCGGAAGCTG	AGCCCCGGGG	TGACGCAAGT	TGCATACAGC	TGTGTGCAGG	1320
AGCACGTGGT	GTGGAGCACG	CCACAGTTCT	GGGAGGCCAT	GTCTATATGG	GATGTGCAGA	1380
CTCACATCCG	GGCCCTCTAC	CTGGAGCCCA	CGGAGGACCT	GGCCCCCGCC	CAGGAGGTTG	1440
GGGAGGCACC	TTCCAGGAG	GACGAGCGCT	CTGCCCTAGA	CGTGGCTTCT	GAGCAGCGGC	1500
GCTTGTGGCC	AACCTCTGAG	CGTGAGAAAG	AGCAGGAGCT	GGTGCAGAAG	GAGGAGAGCA	1560
CGGTGTTTCA	CCAGGCCATC	CACATATGCCA	ACCGCATGAG	CTACCTCCTC	CTGCCCTTGG	1620
ACAGCAGCAA	GAGCCGCCTA	CTTCGGGAGC	GTGCCGGGCT	GGGCGACCTG	GAGAGCGCCA	1680
GCAACAGCCT	GGTCACCAAC	AGCATGGCTG	GCAGTGTGGC	CGAGAGCTAT	GACACGGAGA	1740
GCGGCTTCGA	GGATGCAGAG	ACCTGCGACG	TAGCTGGGGC	TGTGGTCCGC	TTTATCAACC	1800
GCTTTGTGGA	CAAGGTCTGC	ACGGAGAGTG	GGGTCAACCA	CGACCACCTC	AAGGGGCTGC	1860
ATGTCATGGT	GCCAGACATT	GTCCAGATGC	ACATCGAGAC	CCTGGAGGCC	GTGCAGCGGG	1920
AGAGCCGGAG	GCTGCCGCCC	ATCCAGAAGC	CCAAGCTGCT	GCGGCCGCBC	CTGCTGCCGG	1980
GTGAGGAGTG	TGTGCTGGAC	GGCCTGCGCG	TCTACCTGCT	GCCGGATGGG	CGTGAGGAGG	2040
GCGCGGGGGG	CAGTGCTGGG	GGACCAGCAT	TGCTCCCAGC	TEAGGGCGCC	GTCTTCCTCA	2100
CCACGTACCG	GGTCATCTTC	ACGGGGATGC	CCACGGACCC	CCTGGTTGGG	GAGCAGGTGG	2160
TGGTCCGCTC	CTTCCCGGTG	GCTGCGCTGA	CCAAGGAGAA	GCGCATCAGC	GTCCAGACCC	2220
CTGTGGACCA	GCTCCTGCAG	GACGGGCTCC	AGCTGCGCTC	CTGCACATTC	CAGCTGCTGA	2280
AAATGGCCTT	TGACGAGGAG	GTGGGGTCTG	ACAGCGCCGA	GCTCTTCCGT	AAGCAGCTGC	2340
ATAAGCTGCG	GTACCCGCCG	GACATCAGGG	CCACCTTTGC	GTTCACCTTG	GGCTCTGCCC	2400
ACACACCTGG	CCGGCCACCG	CGAGTCACCA	AGGACAAGGG	TCCTTCCCTC	AGAACCCTGT	2460
CCCGGAACCT	GGTCAAGAAC	GCCAAGAAGA	CCATCGGGCG	GCAGCATGTC	ACTCGCAAGA	2520
AGTACAACCC	CCCCAGCTGG	GAGCACCGGG	GCCAGCCGCC	CCCTGAGGAC	CAGGAGGACG	2580
AGATCTCAGT	GTCCGAGGAG	CTGGAGCCCA	GCACGCTGAC	CCCGTCCCTC	GCCCTGAAGC	2640
CCTCCGACCG	CATGACCATG	AGCAGCCTGG	TGGAAAGGGC	TTGCTGTGCG	GACTACCAGC	2700
GCTTCGGTCT	GGGCACCCCT	AGCAGCAGCC	TGAGCCGGGC	CAAGTCTGAG	CCCTTCCGCA	2760
TTTCTCCGGT	CAACCGCATG	TATGCCATCT	GCCGCAAGTA	CCCAGGGCTG	CTGATCGTGC	2820
GCCAGAGTGT	CCAGGACAAC	GCCCTGCAGC	GCGTGTCCCG	CTGCTACCGC	CAGAACCCTG	2880
TCCCCGTGGT	CTGCTGGCGC	AGCGGGCGGT	CCAAGGCGGT	GCTGCTGCGC	TCTGGAGGCC	2940
TGCATGGCAA	AGGTGTCTGC	GGCCTCTTCA	AGGCCAGAA	CGCACCTTCT	CCAGGCCAGT	3000
CCCAGGCGGA	CTCGAGTAGC	CTGGAGCAGG	AGAAGTACCT	GCAGGCTGTG	GTGAGCTCCA	3060
TGCCCCGCTA	CGCCGACGCG	TCGGGACGCA	ACACGCTTAG	CGGCTTCTCC	TCAGCCCACA	3120
TGGGCAGTCA	CGGTAAGTGG	GGCAGTGTCC	GGACAGTGG	ACGCAGCAGT	GGCCTTGGCA	3180
CCGATGTGGG	CTCCCGGCTA	GCTGGCAGAG	ACCGCTGGC	CCCAACCCAG	GCCAACGGGG	3240
GCCCTCCCGA	CCCGGGCTTC	CTGCGTCCGC	AGCGAGCAGC	CCTCTATATC	CTTGGGGACA	3300
AAGCCCAGCT	CAAGGGTGTG	CGGTGAGACC	CCCTGCAGCA	GTGGGAGCTG	GTGCCCATTG	3360
AGGTATTCTA	GGCACGGCAG	GTGAAGGCTA	GCTTCAAGAA	GCTGCTGAAA	GCATGTGTCC	3420
CAGGCTGCCC	CGCTGCTGAG	CCCAGCCAG	CCTCCTTCCT	GCGCTCACTG	GAGGACTCAG	3480
AGTGGCTGAT	CCAGATCCAC	AAGCTGCTGC	AGGTGTCTGT	GCTGGTGGTG	GAGCTCCTGG	3540
ATTACGGCTC	CTCCGTGCTG	GTGGGCTTGG	AGGATGGCTG	GGACATCACC	ACCCAGGTGG	3600
TATCCTTGGT	GCAGCTGCTC	TCAGACCCCT	TCTACCGCAC	GCTGGAGGGC	TTTCGCTGCG	3660
TGGTGGAGAA	GGAGTGGCTG	TCCTTCGGCC	ATCGCTTCAG	CCACCGTGA	GCTCACACCC	3720
TGGCCGGGCA	GAGCAGCGGC	TTTACACCCG	TCTTCTTCCA	GTTCTTGGAC	TGCGTACACC	3780
AGGTCCACCT	GCAGTTCCCC	ATGGAGTTTG	AGTTCAGCCA	GTTCTACCTC	AAGTTCCCTG	3840
GCTACCACCA	TGTGTCCCGC	CGTTTCCGGA	CCTTCTTGCT	CGACTCTGAC	TATGAGCGCA	3900
TTGAGCTGGG	GCTGCTGTAT	GAGGAGAAGG	GGGAACGAG	GGGCCAGGTG	CCGTGCAGGT	3960
CTGTGTGGGA	GTATGTGGAC	CGGCTGAGCA	AGAGGACGCC	TGTGTTCAC	AATTACATGT	4020
ATGCGCCCGA	GGACGAGAG	GTCCTGCGGC	CCTACAGCAA	CGTGTCCAAC	CTGAAGGTGT	4080
GGGACTTCTA	CACCTGAGGAG	ACGCTGGCCG	AGGCCCTCCC	TATGACTGGG	AACTGGCCCA	4140
GGGGCCCCCT	GAACCCCCAG	AGGAAGAACG	GTCTGATGGA	GGCGTCCCCA	GAGCAGCGCC	4200
GCGTGGTGTG	GCCCTGTTAC	GACAGCTGCC	CGCGGGCCCA	GCCTGACGCC	ATCTCACGCC	4260

43

TCCTGGAGGA	GOTGOAGAGG	CTGGAGACAG	AGTTGGGCCA	ACCCGCTGAG	CGCTGGAAGG	4320
ACACCTGGGA	CCGGGTGAAG	GCTGCACAGC	GCCTCGAGGG	CCGGCCAGAC	GGCCGTGGCA	4380
CCCTTAGCTC	CCTCCTTGTT	TCCACCGCAC	CCCACACCG	TCGCTCGCTG	GGTGTGTACC	4440
TGCAGGAGGG	GCCCGTGGGG	TCCACCGTGA	GCCTCAGCCT	GGACAGCGAC	CAGAGTAGTG	4500
GCTCAACAC	ATCCGCTCC	CGTCAGGCTG	CCCGCCGCG	CACCAGCACC	CTGTACAGCC	4560
AGTTCCAGAC	AGCAGAGAGT	GAGAACAGGT	CCTACGAGGG	CACTCTGTAC	AAGAAGGGGG	4620
CCTTCATGAA	GCCTTGGAAG	GCCCGCTGGT	TCGTGCTGGA	CAAGACCAAG	CACCAGCTGC	4680
GCTACTACGA	CCACCGTGTG	GACACAGAGT	GCAAGGGTGT	CATCGACTTG	GCGGAGGTGG	4740
AGGCTGTGGC	ACCTGGCAGG	CCCACATAGG	GTGCCCCATA	GACTGTGGAC	GAGAAGGCCT	4800
TCTTTGACGT	GAAGACAACG	CGTCGCGTTT	ACAACTTCTG	TGCCCCAGGAC	GTGCCCTCGG	4860
CCCAGCAGTG	GGTGGACCGG	ATCCAGAGCT	GCTGTGCGAC	GCCTGAGCCT	CCCAGCCCTG	4920
CCCGGCTGCT	CTGCTCTCGT	TACCGACCAC	TAGGGGTGGC	AGGGCCCGCC	CGGCCATGTT	4980
TACAGCCCCG	GCCCTCGACA	GTACTGAGCC	CCGAGCCCCC	AGCACTTGTG	TGTACAGCCC	5040
CCGTCCCCCG	CCCGCCCCGC	CCGGCCGGCC	CTAACTTATT	TTGGCGTCAC	AGCTGAGCAC	5100
CGTGCCGGGA	GGTGGCCAAAG	GTACAGCCCG	CAATGGGCTT	GTAAATAGTC	CGGCCCGGTC	5160
AGCGTGTGCT	GGTCCACGGG	CTCAGGCGAG	TTTCTAGAAA	GAGTCTATAT	AAAGAGAGAA	5220
CTAACGCCAA	AAAAAAA					5238

Name: 261      Len: 6450      Check: 91C

CGGCCCTGCTC	CGGGCCATGT	CCGCGTGAGG	ACCCCGCCGC	TGTCGCCGCT	CCCGTTCCGG	60
CCCTGGCCCC	TCTGCCCGGC	AGCGCGGCGC	ACCATGGGCT	CCATTCTCAG	CCGCGCGCATC	120
GCGGGGGTGG	AGGACATCGA	CATCCAGGCG	AACTCGGCTT	ATCGCTACCC	TCCGAAGTCC	180
GGAACTACT	TTGCTTCGCA	CTTTTTCATG	GGAGGAGAGA	AATTCGACAC	CCCCACCCCT	240
GAAGGTTACC	TCTTTGGAGA	GAACATGGAT	CTGAACCTCC	TGGGCAGCCG	CCCGGTCCAG	300
TTTCCCTACG	TCACTCCTGC	CCCCCACGAG	CCCGTGAAGA	CGCTGCGGAG	CCTGGTGAAC	360
ATCCGCAAAG	ACTCCCTGCG	GCTGGTGAGG	TACAAAGACG	ATGCCGACAG	CCCCACCGAG	420
GACGGCGACA	AGCCCCGGGT	GCTCTACAGC	CTGGAGTTCA	CCTTCGACGC	CGATGCCCGC	480
GTGGCCATCA	CCATCTACTG	CCAGGCATCG	GAGGAGTTCC	TGAACGGCAG	GGCAGTATAC	540
AGCCCCAAGA	GCCCCCTCGCT	ACAGTCCGAG	ACCGTCCACT	ACAAGAGAGG	GGTGAGCCAG	600
CAGTTCTCCC	TGCCCTCCTT	CAAGATTGAC	TTCTCGGAAT	GGAAGGATGA	CGAGCTGAAC	660
TTTGACCTGG	ACCGGGGCGT	GTTTCCAGTA	GTCTCCAGG	CTGTGGTGGA	CGAAGGAGAT	720
TTGGTGGAA	TGACTGGCCA	CGCCCCAGTG	CTCTTGCGTG	CCTTTGAAAA	GCACATGGAC	780
GGCAGCTTCT	CTGTGAAGCC	TTTAAAGCAG	AAGCAAATTG	TGGACCGGGT	CAGCTACCTC	840
CTGCAGGAGA	TCTATGGCAT	TGAGAACAAG	AACAACCAGG	AGACCAAGCC	CTCGGACGAC	900
GAGAACAGCG	ACAACAGCAA	CGAGTGTGTG	GTGTGCCTGT	CCGACCTGCG	GGACACGCTG	960
ATCCTGCCCT	GCCGCCACCT	GTGCCCTCTG	ACCTCCTGCG	CCGACACGCT	GCGCTACCAG	1020
GCCAACAAC	GCCCCATCTG	CCGGCTGCCT	TTCCGGGCCC	TCCTGCAGAT	CCGGGCGGTG	1080
CGGAAGAAGC	CAGGAGCCCT	GTCCCCCGTG	TCCTTCAGCC	CCGTCCCTGGC	CCAGAGCCTG	1140
GAGCATGATG	AGCACTCTTG	TCCCTTTTAA	AAATCAAAGC	CGCACCCCGC	CTCCCTGGCC	1200
AGCAAGAAAC	CTAAAGGGA	AACAAACTCT	GACAGCGTCC	CACCTGGGTA	CGAGCCCATC	1260
TCGCTGCTCG	AGCGCTCAA	CGGCCTCCGG	GCTGTCTCCC	CGGCCATCCC	CTCGGCCCCCT	1320
CTTTATGAAG	AAATCACCTA	TTCAGGCATC	TCGGACGGCC	TGTCCCAGGC	CAGCTGTCCC	1380
CTCGCGGCTA	TGACCCACAT	CCTGGACAGC	AGCCGCCAGA	AGGGCAGGCC	GCAGAGCAAG	1440
GCCCCCGACA	GCACCTTACG	GTCCCCGTCT	TCCCCCATCC	ACGAAGAGGA	TGAGGAGAAG	1500
CTCTCCGAGG	ACGTGGACGC	CCCTCCCCCA	CTGGGTGGCG	CAGAGCTGSC	CCTGCGGGAA	1560
AGCAGCTCCC	CTGAGAGTTT	CATAACAGAA	GAGGTGTGAT	AGTCGTCTG	ACCACAGCAA	1620
GGGACCCGAG	CAGCTTCCAT	TGAGAAATGT	CTGCAGGACA	GCAGCCCCGA	GCACTGTGGC	1680
CGAGGCCAC	CTGCTGACAT	CTACCTGCCA	GCCCTGGGGC	CCGACTCCTG	CTCTGTTGGT	1740
ATAGACGAGT	AAGCCGGTAC	GTGACCTTCC	AGACGCGCTT	CGGGGGCTCT	GACGCGCGTC	1800
CTTGAGAGAG	GGAGCCCTCC	CCTGCTCTCT	GGCGGGGGTT	CCTTCTGGTT	TTTGGGTCTT	1860
CGTCCGCATC	CGCATCTTCC	CAGGGGCCCT	GGATTCCGAA	TCCAGAGCTC	TCCAGTGGCT	1920
GCTGCACCTT	CCCCCAGAAA	GTGGCCTCCT	GGGGGGTCC	GACTTTTCGG	GCCAGAGGTC	1980
TCTCCATCTG	GACTAGGCGG	CCGGTCAGGC	TCTTCTTCCA	GCCTTGAGGG	GCCCTGGAAC	2040
AGTCCCAGCC	CAGGCAGGGA	GACAGACACA	GCCCAGGTGC	GCCAGAGCCA	CTGTCCACTG	2100
CGGGAGGCG	GAGCTTGAGG	GATGAGGGCA	GCACCGTGA	GGGAACCCCA	GGGAGACATG	2160
GGGTGAGCGT	CCCAAGGGGA	GAGGCCTGGG	CCTGGCCTTG	TTCCGGATGG	TCCCACCATG	2220
AGTTCCGATC	GGTCTGCGAG	CAGACACGTT	AGGACGCTCA	GCAGGTCCAC	TCCCGTGTTC	2280
CGGTCTATGG	TTTAAACAAT	CATGGGGAAA	GAATGCGCCC	CGATTGGGAG	AGCCCCCTGA	2340
TCACGTCTTC	CCAAGCTCAG	TCCCTGTCTC	TTGGAGGGAG	TCCGTCTCTG	AGGGGCCCTC	2400
TGGTGCCCCG	GGGAGAGTAT	CTTGCGTCTC	GTCTGAGGG	CGTCCGCTCA	CACAGCCACC	2460
TGCTCCCCCG	CTCCCTCCTT	CCCTTGTCTC	CATGGCCACC	GTGGGCCCTG	CATCACCATT	2520
GGCCTGGCAC	ACAGTCCCTC	GTGGGCTGCC	TTTGTGCCAT	GAGCCCACTG	CTGCCGACTC	2580
ACCTGTCCCT	CCCAGTACTG	GAACCTTCTG	GAACACCCAG	ACTAAAAGAT	AGGAGGCCCT	2640
GTGAGGTTGG	CATCCCCCAT	CCCCCCCCAA	GAGGTGCCCT	CTACCAGGGT	GGCCAGGTTG	2700

44

AGTGTTTTAC AGAAGGCGGC TCTGTCCAGG CAGTGGTTCC CACCTATAAG CCCGGTACTT 2760  
TGGGAGACCG AGGGGATAGA TCACTTGAGC CCAGGAATTC AAGATCAGTG TAGAAAACAT 2820  
AGACCCCTCT TCTATAAAAA ATAAAAAATT GGCTTGGGCG TGGTAGCTTG TGCCTGTGGT 2880  
CCCAGCTACT CAGGGGTGCT GAGGTGGGAG GATTGCCGGA GCTGGGGAGG TCAAGGCCCA 2940  
CTCCAGCCTG AGACGCTGTC TCAATAAAAA AAAATACACA CACACCCACC CACCCACTCC 3000  
AGCCTGAGAC CCTGTCTCAA GAAAAAATAA AATACACACA CACACACACA CACACACACA 3060  
CACACACACA CACACACACA CACACGGGGG AGAGAGAGAA GGCAGCTCCA GGAGTGCCAC 3120  
CAAAATGTAG GCAGACGGAT TGGGGACCTT CTGCCTTCCC AGAGGGTCTT GGCACACAAG 3180  
CTGCGTGCAG CTCTGGTCTG CCGAGGCCCA TGCAGCCTGC TGGGAGGTGC CTGGCCGGGG 3240  
GTGCAGGCTC TAAGAGGCCC TTTCCCTTGG GGTGGACTTG AGCCGGGTCA GGGAGAAGTT 3300  
CGCTTCTTTT GACTGCGCTC TGCATTCCCA TGAACCTCTG TCTTCTGAG CCCAGCGAGT 3360  
CCCTCTGTTG ACCCTGTGCC TGAGCCATTA TACCCCTAGA TTGAAACAGT CAGCACCTTT 3420  
CAGACGGCCC CGGCTGCGC ATCGGTGGAA GGTGCCATGC GAATGTCACG ATTCAGGTCA 3480  
AGCTTCCGGA GCTGGGGAGT GCAGGTGTGA TCTAGAACAG GGCTCACAGC CTCGGAAACC 3540  
TGCTCTCGCC GCGGCCCCCG AAGAAAAATAG ACGCCCTTCA CCGGAGAGTG GGGCCTGGGC 3600  
CGTGTCTGCT GGGAGCCATG TGTCAAGGCT GGTGGCTGGG TGTCAAGCAG CCCTGAGGCC 3660  
ATGCTGGCCC CGTCCCAGGC TCTGCACCAG CACCATTGCC CAAGCCCCAG GGACGCCAGA 3720  
CCCATCCGGG GACAGCGCCC GCGGCGTCC TGCAGGCCAC AGTCTGGGCA TTGGGGCTCT 3780  
GTGGGAGGCT CCTCTCTTGG CCTTGCAGTA GCCATCCGGG GGCTACTCTG AGCACGGGCT 3840  
TGTTCTCACC CAGGGCCGCT CCCGACCCCT GCACCCCTGGG TTGACCGAGT TCCACCTAA 3900  
CCCAGCCGTA AGAACCTTGG CAGGACAGTG GGTGGCCACA COTGGGCTGC GTGTGCGGCT CTGACTCGGG 4020  
GGCAAGGGCA GGAGGCCAG AGGGCATCCA CTGCGGTGCC GTGTGCGGCT CTGACTCGGG 4080  
GCTGCAGATC TGCTGTGGGT GTCCGGGGAT CTGGGATCGT CTGTCCCAAG AGGGACACAG 4140  
CGTATTTGGC ACAGTTAGGG AGTCCCGGG CCCTTGGTGT GCTCACATCT GAGTGAATGC 4200  
TGTTGTGGCC ACAGGCGGCG GGAGTGGGGG TGCTGGATGG CCCAGCCCCC CTGGGGCTCC 4260  
AGATCGGTAG GAGCGGGTGG CGTGGCACC AAGCATCCAG TGTGACCCTC CTCCCTCTGC 4320  
TCCCACCTGC AGGACGGCCC ACCTCCATGG AGAGGGCCCA CGGCCTCGCC ACCACCAGCC 4380  
CCACCTGGCC TCCACTTGGT GGCCCCAGCC CCGATCCCAG CGCCGCGGAG CTGACCCAC 4440  
TCTGAGAGCC TGGCCGAGCT GGCAGCATGG AGCCCTCGGC TCCCCAGACT TTGCCGAGGG 4500  
GCTGCTCCGG ACCCGGTTGT GAGCCGGGCT CCTGTCTGCA TGCCCCCTGT GGCCACCAGG 4560  
CTCCGAGGGG CCGTGGTGAC TCTTGATCAA AGAGCACAGT GAACTGTCCC TTCTGAGTCT 4620  
CCCTTTTCTA CAGTTGATAT AITTTGTAAT GGTACAAGAT GAAGGACAGC AGCTTTCCAT 4680  
CCCTAGTTCA GAGCCCCCGT TCCCCAGGGT CCTGTGGGCT GAGCGGCTGG GGCTGGGGCT 4740  
GCCCCAGTGT GGCCTCCGCT GGCTCTGCCT GCTCCTGCAA CAGTSCGGTC CCTGCCCCGA 4800  
GAACTCAGGA GGCCTGCAGA AGAGAACTGA TTGGTGGTGC AAGCACCATC TTCACAGATG 4860  
TTCAGGGGCA GTGGGGGGCT CCAGGCACGG TCAATGAAGG AAACAGTGCC TGTCCACCCA 4920  
CCCTGCGTGT CACTGTGGCG GCCTGGCTGT CGCTGCTTTT TGCTCTCTGC CGTGTGCG 4980  
CGGCCTCAGT GCCCTCCCTG GTGCGTCTGC GCTGGGGCCC TCAGTGCTCG GGGCCTTGGG 5040  
GTGCATGGGG GCCGCCCTGG GCAGCTAGAG TGTCTCAGCC CGGTGCTGGG CCTGGCCGAG 5100  
GGGCGGAGGC ACAGCTGCTT CCAGCAGCCA GCATTCACTG GCCTTGTGAC CAAGCTCCAC 5160  
ACCTCCTCCT GGTGCTGGCT TTGGTGACAT CACAAGGCC CTCCAGGTGC AGGGGCTTCT 5220  
GTTTGGCAGG CCCCTGCCAG GGAGGACCTG GTGGCCTCCT CATCTCTTTT TGCCATTGGA 5280  
ATGTCCCCTT GCAGTCTCT TCTCTTTT TTTTTTTT AGATGGAGTT TCACTCTTGC 5340  
TGCCCAGGCT GGAGTGCACT GGCTCAATCT CCGGTCACTG CAACCTCCGC CTCCCGGGTT 5400  
CAAGTGATCG TCCTGCCTTA GGCTCCTGAG TAGCTGGGGA TTACAGGTGC CTACCAGCAT 5460  
GCTCGGCTAA TTTTTTTGTA TTTTGTAGTA AGAAGGGATT TCACCATGTT GGCCGGGCTG 5520  
GTCTCAAACCT CTAAGGTCA TCCACCTGCC TCGGCCCTCC AGAGTGCTGA GATTACAGGC 5580  
GTGAGCCTCC GCGCCCGGCC CCCTTGCACT TCTCTCTGAT TTGGTTTGT CTGTCTCAGG 5640  
CTTCTGTGGC AGGACTGGCC CAGGGAGGAG GAAGCCAGCA GCACACCTGG GGAATGGGGT 5700  
CCCGGCCGGG AGGCTTGGCC TCTGGGCGAC CTGCTCCTGT TTTGTTTGT TGTGTTTGT 5760  
TTTTTTTAAA GGTAAACCTC CTGGGCGGCA GATGGCAAAG GGAGTGCTG GGCCTGGTGA 5820  
CCCAGGGCTG GATCCACCCC TGCGGAGCCC TGGGCCAGGC AGGTGTCTGC TGCTCACCTG 5880  
GCTCTGGAGG GCTGCCCTGC AGCTGGGCT CATGAGCTCT GCCTCTGGG GCAGCTCAGT 5940  
ACCTCCCTG AGGCTCACGG TGGCTCCGAG CATGAGCTCT CCAGGCCAGC CACCCCTCCC 6000  
CAGTGGACAG CACGGTCTCT ACACCCAGCT CCCTGCACAC CCAGGCCAGC CACCCCTCCC 6060  
GCTCGTGCAC AGGCACGAG ATGCGCTCAC ACGTACACAC ACACAAATGC ACGCCCACTT 6120  
GCACATGCTC ACGCACACGT TCACACATGC AACTCACGC TCACACATGC TGTCACGCAT 6180  
ACACACACGC ACATACTCCT GCACATGTT CCATGCATGT GTGTGCACTC GGACCGAGCA 6240  
TCTCCACGC ACCTCTACCC CACCCCAAGC ACCTCTCTCC CCCCATGCAC CTCTCCCCAA 6300  
CAACACACAC AGCCCCCTGC ACCGCCCGCC CCCCCCCCCC ACCAAGGCCC CAGCCTCTGG 6360  
CCATCAGTCC TGGTGCCAGA GCTTTGCGTG AAGTTCGGGC CGCAGAGTGG CCGGCTGGGA 6420  
CTCCCATGTG CTGCCGTCTG ATGTGCTCAG ATGGGCTCAT CGTTGGTTCC TTTTACTGT 6480  
ATATTTATAG TAATAAAATC ATGCAGCAAT 6540

45

Name: 262 Len: 4611 Check: 6F0

GTGTGCGCTCG	CTTCTCTGTCA	GCCTCTCTCC	CTCTCCCTCT	CCCTCTCTCT	TCCTCTCTGCT	60
TCCTCTCTCTG	CACCTGAGCG	TACGCACCTG	CCCGGGCCCCG	GCTCCCTCTCT	CCTCTCCCCCT	120
CCCTCTTTTCC	CCGCCCGGCC	GCGGGAGCCT	CGTGGCTGCG	TCACCGCCGC	CCCCCCAGAC	180
AAGATGGACA	CCGCGGAGGA	AGACATATGT	AGAGTGTGTC	GGTCAGAAGG	AACACCTGAG	240
AAACCGCTTT	ATCATCCTTG	TGTATGTACT	GGCAGTATTA	AGTTTATCCA	TCAAGAATGC	300
TTAGTTCAAT	GGCTGAAACA	CAGTCGAAAA	GAATACTGTG	AATTATGCAA	GCACAGATTT	360
GCTTTTACAC	CAATTTATTC	TCCAGATATG	CCTTCACGGC	TTCCAATTCA	AGACATATTT	420
GCTGGACTGG	TTACAAGTAT	TGGCACTGCA	ATACGATATT	GGTTTCAITA	TACACTTGTG	480
GCCTTTGTCAT	GGTTGGGAGT	TGTTCTCTTT	ACAGCATGCC	GCATCTACAA	GTGCTTGTIT	540
ACTGGCTCCG	TGAGCTCACT	ACTGACGCTG	CCATTAGATA	TGCTGTCAAC	GGAAAAATTTG	600
TTGGCAGATT	GTTTGCAGGG	TTGTTTGTG	GTGACGTGCA	CACTGTGTGC	ATTATCATCAGC	660
CTGGTGTGGT	TGAGAGAGCA	GATAGTCCAT	GGGGGAGCAC	CAATTTGGTT	GGAGCATGCT	720
SCCCACCGT	TCAATGCTGC	GGGGCATCAC	CAAAATGAGG	CTCCAGCAGG	AGGAAATGGT	780
GCAGAAAATG	TTGCTGCTGA	TCAGCCTGCT	AACCCACCAG	CTGAGAACGC	AGTGGTGGGG	840
GAAGAACCTG	ATGCCAGGA	TGACCAGGCA	GAAGAGGAGG	AGGAGGACAA	TGAGGAGGAA	900
GATGACGCTG	GTGTGGAGGA	TGCGGCAGAT	GCTAATAACG	GAGCCCAGGA	TGACATGAAT	960
TGGAATGCTT	TAGAAATGGG	CCGAGCTGCT	GAAGAGCTTA	CATGGGAAAG	AATGCTAGGA	1020
CTTGATGGAT	CACTAGTTTT	TCTGGAACAT	GTCTTCTGGG	TGGTATCTTT	AAATACACTG	1080
TTCACTCTTG	TTTTTGCATT	TTGCCCTTAC	CATATTGCTC	ATTTCTCCCT	TGTTGGTTTG	1140
GGATTTGAAG	AACACGTCCA	AGCATCTCAT	TTTGAAGGCC	TAATCACAAC	CATAGTTGGG	1200
TATATACTTT	TAGCAATAAC	ACTGATAATT	TGTCATGGCT	TGGCAACTCT	TGTGAATTTT	1260
CATAGATCTC	GTGCTTAACT	GGGAGTCTGC	TATATTGTTG	TTAAGGTCTC	TTTGTTAGTG	1320
GTGGTAGAAA	TTGGAGTATT	CCCTCTCATT	TGTGGTTGGT	GGCTGGATAT	CTGTTCCCTG	1380
GAAATGTTTG	ATGCTACTCT	GAAAGATCGA	GAAGTGAAGT	TTCACTCGGC	TCCAGGTACT	1440
ACCATGTTTC	TGCATTGGCT	AGTGGGAATG	GTATATGTCT	TCTACTTTGC	CTCCTTCATT	1500
CTACTACTGA	GAGAGGTACT	TCGACCTGGT	GTCTGTGGT	TTCTAAGGAA	TTTGAATGAT	1560
CCAGATTTCA	ATCCAGTACA	GGAAATGATC	CATTTGCCAA	TATATAGGCA	TCTCCGAAGA	1620
TTTATTTTGT	CAGTGATTGT	CTTTGGCTCC	ATTGTCTCTC	TGATGCTTTG	GCTTCCTATA	1680
CGTATAATTA	AGAGTGTGCT	GCCTAATTTT	CTTCCATACA	ATGTCATGCT	CTACAGTGAT	1740
GCTCCAGTGA	GTGAAGTGTG	CCTCGAGCTG	CTTCTGCTTC	AGGTTGTCTT	GCCAGCATTA	1800
CTCGAACAGG	GACACACGAG	GCAGTGGCTG	AAGGGGCTGG	TGCGAGCGTG	GACTGTGACC	1860
GCCGGATACT	TGCTGGATCT	TCATTCTTAT	TTATTGGGAG	ACCAGGAAGA	AAATGAAAAC	1920
AGTGCAAATC	AACAAGTTAA	CAATAATCAG	CATGCTCGAA	ATAACAACGC	TATTCCTGTG	1980
GTGGGAGAAG	GCCTTCAATG	AGCCCACCAG	GCCATACTCC	AGCAGGGAGG	GCCTGTTGGC	2040
TTTCAGCOTT	ACCGCCGACC	TTTAAATTTT	CCACTCAGGA	TATTTCTGTT	GATTGTCTTC	2100
ATGTGTATAA	CATTACTGAT	TGCCAGCCTC	ATCTGCCTTA	CTTTACCAGT	ATTGCTGTGGC	2160
CGTTGGTTAA	TGTCGTTTTG	GACGGGGACT	GCCAAAATCC	ATGAGCTCTA	CACAGCTGCT	2220
TGTGGTCTCT	ATGTTTGTCTG	GCTAACCATA	AGGGCTGTGA	CGGTGATGGT	GGCATGGATG	2280
CCTCAGGGAC	GCAGAGTGAT	CTTCCAGAAG	GTTAAAGAGT	GGTCTCTCAT	GATCATGAAG	2340
ACTTTGATAG	TTGCGGTGCT	GTTGGCTGGA	GTTGTCCCTC	TCCTTCTGGG	GCTCCTGTTT	2400
GAGCTGGTCA	TTGTGGCTCC	CCTGAGGGTT	CCCTTGGATC	AGACTCCTCT	TTTTTATCCA	2460
TGGCAGGACT	GGGCACTTGG	AGTCTGCTAT	GCCAAAATCA	TTGCAGCTAT	AACATTGATG	2520
GGTCTCTAGT	GGTGGTTGAA	AACTGTAATT	GAACAGGTTT	ACGCAAATGG	CATCCGGAAC	2580
ATTGACCTTC	ACTATATTGT	TCGTAAACTG	GCAGCTCCCG	TGATCTCTGT	GCTGTTGCTT	2640
TCCCTGTGTG	TACCTTATGT	CATAGCTTCT	GGGTGTTGTT	CTTTACTAGG	TGTTACTGCG	2700
GAAATGCAAA	ACITAGTCCA	TGGGCGGATT	TATCCATTTT	TACTGATGGT	CGTGGTATTG	2760
ATGGCAATTT	TGTCCTTCCA	AGTCCGCCAG	TTTAAGCGCC	TTTATGAACA	TATTAATAAT	2820
GACAAGTACC	TTGTGGGTCA	ACGACTCGTG	AACATACGAAC	GGAAATCTGG	CAAACAAGGC	2880
TCATCTCCAC	CACCTCCACA	GTCATCCCAA	GAATAAAGTA	GTTGTCTCAA	CAACTTGACC	2940
TTCCCCTTTA	CATGTCCTTT	TTGTGGACT	TCTCTCTTTG	GAGATTTTTT	CCAGTGATCT	3000
CTCAGCGTTG	TTTTTAAGTT	AAATGTATTT	GACTTGTGTT	CTCAGCATTC	AGAGAGCAGC	3060
GGTGTAAGAT	TCTGCTGTTT	TCCCTGGATC	TTCTGACATT	ACTGCTGTCT	GAGATTTGTA	3120
TATGTGTAAA	TACAAGTTCC	TTGATACCTT	AAAACCTTGG	ATTAAACAGA	ATGTGCATTG	3180
TACATCTTTA	AACAAAATGT	ATATTAATTT	ATTAATCTA	GTTGTCACTT	TATTTTGGAC	3240
CTGCTGTGAT	CTCGACAGGA	AACGTGCCAC	AGAGCAGTAG	TGCGCAGGCA	AGACTTTTCA	3300
GTGACGCCTT	GTGGAACGCA	GTTTCATGAT	TCTCATGAGC	TCTCACTAAG	GGAAGTGTAC	3360
ATTCTTTCTT	TCTTGGCTAT	TCAGACCTTA	CCAAGAACGT	TAAAGGAAAC	AAGTAGAAAT	3420
CAGCAGTGGA	GTGCTGTGG	TAAGAAAACA	TGAACCTTAT	GCTTCACTGT	TAGTTGTTTG	3480
TGGAAGTTAT	TTGTATAAC	ACCAAAGCTG	TTGTACATTT	CCTACTGCCT	GATTTTTTTC	3540
ATGTGTCTGT	GTTTGTAAATA	TTGTATAGTA	TCTGTGCTA	GGTGAGGAAA	TTATTTTTTAA	3600
TTTTGATAAT	TTAATATTC	TAGTGTGATC	AGCATTGGGA	GTTGGGTTTC	AGTGGGGCAT	3660
GTCTATACTT	AGAGAAAAAA	AGTCCAAATG	AAGATTTTCA	TGAGTCAGCC	CCCCCGCCCG	3720

46

CCCCCACC	ACACCCACAT	CCTCTCTTTT	CCACACACAA	CTATCTGTTT	ATTTTTTGTA	3780
GCAGTGGCCG	AAAGTCCTGC	AAGGTCATAA	ATCTTTTCAGA	GTGACATCAC	CAACTGTACT	3840
GCATCTTACT	GGATTTAGGA	CTTCTGAGAT	GCTTGTGAAG	TATAGATGTG	GTTGTGGTCT	3900
TAGATTGACA	GCATTAGAGA	AGACTGGTTA	GAACATCTGG	TCTCGCTGGT	TAGTGCCTCG	3960
TTGGCTGAGG	ACTAGGTGTG	CATTTCTCCT	AGCTTTTCAT	CAGGAAATCC	CAAAGTTTCC	4020
AAAGCTTTTT	GTTTACAGAA	TAAACTTCA	AATAAAACCA	ATTCATTATT	TGTCCAGAAG	4080
GAAGCTTGGC	TGAGCTGGCC	TTTAAACATA	GGAATGTATT	TCGTTGGAAA	CATTCTGAAA	4140
AATCTCAGAG	AACTGAACCC	TTACAAACTT	TGTTTTCCCT	CATAACCAAA	GCTTCAGGTT	4200
AGAAGTTTAG	AAAAATAGAA	TGGTTGGGTA	CATGATCTAA	ATGTTTAATG	CTAAAGGTAT	4260
ATCGTAAGGG	TAGTGTGTTG	TTTTGAACGA	TAATTTAGAA	GTTCTCATAG	AAAGCGTATA	4320
ACATAGGTCT	TCAGAACTA	TAAAAGAATT	TTCATATAGT	ATTAAAATCC	ATAGACTAAA	4380
ATCTGAGAAT	TTTTTAACAT	ATGCAAGTCA	GCCAAACATA	AGCTACCAAA	ATAAGAGCA	4440
ATGTGTTCTG	GCTGTTTTAT	ACTTCAACAA	TTTTTTCCCT	AAGTGGTAAG	CAATTACTTT	4500
AAAACATATT	TTTAAAAACA	TCGGTATCGG	GAGCTGCGGT	GGCTCCGGCC	GGTTGTCTGT	4560
GCACACAAGG	AGGCGAGGCT	ATGCGTTCSA	GGCCAAACCTA	GGCAAAATTG	G	4611

Name: 263 Len: 3074 Check: F6A

CCGCTCTCCG	CTGCGGGGGA	GGCCATGGCG	GAACCTTCCC	AGGCCCGGAC	CCC GGCCCCG	60
GCTGCGCAGC	CCCGGCCCCCT	TCAGTCCCCA	GCCCCGTGCC	CAACTCCGAC	TCCTGCACCC	120
AGCCCCGGCTT	CAGCCCCGAT	TCCGACTCCC	ACCCCGGCAC	CAGCCCCCTGC	CCCAGCTGCA	180
GCCCCAGCCG	GCAGCACAGG	GACTGGGGGG	CCCGGGGTAG	GAAGTGGGGG	GGCCGGGAGC	240
GGGGGGGATC	CGGCTCGGCC	TGGCCTGAGC	CAGCAGCAGC	GCGCCAGTCA	GAGGAAGGCG	300
CAAGTCCGGG	GGCTGCCCCG	CGCCAGAAG	CTTGAGAAGC	TAGGGGTCTT	CTCGGCTTGC	360
AAGGCCAATG	GAACCTGTAA	GTGTAATGGC	TGGAAAAACC	CCAAGCCCCC	CACTGCACCC	420
CGCATAGATC	TGCAGCAGCC	AGCTGCCAAC	CTGAGTGAGC	TGTGCCGCAG	TTGTGAGCAC	480
CCCTTGGCTG	ACCACGTATC	CCACTTGGAG	AATGTGTCTG	AGGATGAGAT	AAACCGCATG	540
CTGGGGATGG	TGGTGGATGT	GGAGAATCTC	TTCATGTCTG	TTCACAAGGA	AGAGGACACA	600
GACACCAAGC	AGGTCTATTT	CTACCTCTTC	AAGCTACTGC	GGAAATGCAT	CCTGCAGATG	660
ACCCGGCCTG	TGGTGGAGGG	GTCCCTGGGC	AGCCCTCCAT	TTGAGAAACC	TAATATTGAG	720
CAGGGTGTGC	TGAACCTTGT	GCAGTACAAG	TTTAGTCACC	TGGCTCCCCG	GGAGCGGCAG	780
ACGATGTTCT	AGCTCTCAAA	GATGTTCTTG	CTCTGCCTTA	ACTACTGGGA	GCTTGAGACA	840
CCTGCCCAGT	TTCGGCAGAG	GTCTCAGGCT	GAGGACGTGG	CTACCTACAA	GGTCAATTAC	900
ACCAGATGGC	TCTGTTACTG	CCACGTGCCC	CAGAGCTGTG	ATAGCCTCCC	CCGCTACGAA	960
ACCACTCATG	TCTTTGGGCG	AAGCCTTCTC	CGGTCCATTT	TCACCGTTAC	CCGCCGGCAG	1020
CTGCTGGAAA	AGTTCCGAGT	GGAGAAGGAC	AAATTGGTGC	CCGAGAAGAG	GACCCCTCATC	1080
CTCACTCACT	TCCCCAAATT	CCTGTCCATG	CTGGAGGAGG	AGATCTATGG	GGCAAACTCT	1140
CCAATCTGGG	AGTCAGGCTT	CACCATGCCA	CCCTCAGAGG	GGACACAGCT	GGTTCCCCCG	1200
CCAGCTTCAG	TCAGTGCAGC	GGTTGTTCCC	AGCACCCCCA	TCTTCAGCCC	CAGCATGGGT	1260
GGGGGCAGCA	ACAGCTCCCT	GAGTCTGGAT	TCTGCAGGGG	CCGAGCCTAT	GCCAGGCGAG	1320
AAGAGGACGC	TCCCAGAGAA	CCTGACCCTG	GAGGATGCCA	AGCGGCTCCG	TGTGATGGGT	1380
GACATCCCCA	TGGAGCTGGT	CAATGAGGTC	ATGCTGACCA	TCAGTGACCC	TGCTGCCATG	1440
CTGGGGCCTG	AGACGAGCCT	GCTTTCGGCC	AATGCGGCCC	GGGATGAGAC	AGCCCCGCCTG	1500
GAGGAGCGCC	GCGGCATCAT	CGAGTTCCAT	GTCATCGGCA	ACTCACTGAC	GCCCCAAGGC	1560
AACCGGCGGG	TGTTTCTGTG	GCTCGTGGGG	CTGCAGAATG	TCTTTTCCCA	CCAGCTGCCG	1620
CGCATGCCTA	AGGAGTATAT	CGCCCGCCTC	GTCTTTGACC	CGAAGCACAA	GACTCTGGCC	1680
TTGATCAAGG	ATGGGCGGGT	CATCGGTGGC	ATCTGCTTCC	GCATGTTTCC	CACCCAGGGC	1740
TTCACGGAGA	TTGTCTTCTG	TGCTGTCACC	TCGAATGAGC	AGGTCAAGGG	TTATGGGACC	1800
CACCTGATGA	ACCACCTGAA	GGAGTATCAC	ATCAAGCACA	ACATTCTCTA	CTTCCTCACC	1860
TACGCCGACG	AGTACGCCAT	CGGCTACTTC	AAAAAGCAGG	GTTTCTCCAA	GGACATCAAG	1920
GTGCCCAAGA	GCCGCTACCT	GGGCTACATC	AAGGACTACG	AGGGAGCGAC	GCTGATGGAG	1980
TGTGAGCTGA	ATCCCCGCAT	CCCCACACG	GAGCTGTCCC	ACATCATCAA	GAAGCAGAAA	2040
GAGATCATCA	AGAAGCTGAT	TGAGCGCAAA	CAGGCCCCAG	TCCGCAAGGT	CTACCCGGGG	2100
CTCAGCTGCT	TCAAGGAGGG	CGTGAGGCAG	ATCCCTGTGG	AGAGCGTTCC	TGGCATTCTGA	2160
GAGACAGGCT	SGAAGCCATT	GGGGAAGGAG	AAGGGGAAGG	AGCTGAAGGA	CCCCGACCAG	2220
CTCTACACAA	CCCTCAAAAA	CCTGCTGGCC	CAAATCAAGT	CTCACCCTAG	TGCCTGGCCC	2280
TTCATGGAGC	CTGTGAAGAA	GTCGGAGGCC	CCTGACTACT	ACGAGGTCAT	CCGCTTCCCC	2340
ATTGACCTGA	AGACCATGAC	TGAGCGGGCT	CGAAGCCGCT	ACTACGTGAC	CCGGAAGCTC	2400
TTTGTGGCCG	ACCTGCAGCG	GGTCATCGCC	AACGTGTCGG	AGTACAACCC	CCCGGACAGC	2460
GAGTACTGCC	GCTGTGCCAG	CGCCCTGGAG	AAGTTCTTCT	ACTTCAAGCT	CAAGGAGGGA	2520
GGCCTCATGT	ACAAGTAGGC	CCATCTTTGG	GCCGCAGCCC	TGACCTGGAA	TGTCTCCACC	2580
TCGGATTCTG	ATCTGATCCT	TAGGGGGTGC	CCTGGCCCCA	CGGACCCGAC	TCAGCTTGAG	2640
ACACTCCAGC	CAAGGGTCCT	CCGGACCCGA	TCCTGCAGCT	CTTTCTGGAC	CTTCAGGCAC	2700
CCCCAAGCGT	GCAGCTCTGT	CCCAGCCTTC	ACTGTGTGTG	AGAGGTCTCC	TGGGTTGGGG	2760
CCCAGCCCCCT	CTAGAGTAGC	TGTTGGCCAG	GGATGAACCT	TGCCAGCCG	TGGTGGCCCC	2820

47

CAGGCCCTGGT CCCCCAAGAGC TTTGGAGGCT TGGATTCCCTG GGCCTGGCCCC AGGTGGCTGT 2380  
 TTCCCTGAGG ACCAGAACTG CTCATTTTAG CTTGAGTGAT GGCTTCA3GG GTTGGGAAGTT 2940  
 CAGCCCCAAC TGAAGGGGGC CATGCCCTGT CCAGCACTGT TCTGTCAAGT TCCCCCAGGG 3000  
 GTGGGGGGTA TGGGGACCAT TCATTCCCTG GCATTAATCC CTTAGAGGGA ATAATAAAGC 3060  
 TTTTTATTTC TCTG 3074

Name: 264

Len: 6184 Check: 7A5

GGCGAGGGGT GCACGGCGGC CACCTGAGTG GCGCGGCGGT GTCAGGTTCT TGCTCAAGTA 60  
 CCAACTCTAT GGACCCAGGA CAGGTTTGTC CCATGACCTG CTGTGAACAG TGTGTTGTCT 120  
 GATAGAAGAT TCGGTTGGCA AACCATCTCT CTATTGCCCT ACAGAGCAAG CAAAGAAGAT 180  
 GGATCGATTG AAGAGCCATC TGAAGTGCTG CTTTCTACCT TCTGTGCCCT TTTTAATCCT 240  
 AGTATCCACT CTAGCCACCG CTAAGAGTGT GACTAACAGC ACTTTAAATG GCCTAACCTG 300  
 GGTCTTGGGC TCTGTGCCCG TAATCATTGC CAGAAGTAC CATATCATAG TCAAGGAAGG 360  
 GAACAGTGCC TTGATTAACT GTAGTGTCTA TGGCATCCCT GACCCACAGT TCAAGTGGA 420  
 TAATTCATT GGCAAGCTGC TGAAGAAGA AGAGGATGAG AAGGAGAGAG GAGGAGGAA 480  
 ATGGCAATG CACGACAGCG GCCTCCTGAA CATACCAAG GTATCCTTCT CAGACCGAGG 540  
 TAAATACAG TGTGTGGCTT CTAACATCTA CGGCACCGTG AACAAACAGG TGACCTTGCG 600  
 CGTCACTTC ACTTCTGGAG ACATGGGTGT CTACTACATG GTCGTGTGCC TGGTGGCCTT 660  
 CACCATCTG ATGGTCTCA ATATCACCG CCTGTGCATG ATGAGCAGCC ATCTAAAGAA 720  
 GACTGAGAAG GCCATCAATG AGTTCTTTAG GACCGAAGGT GCAGAGAAGC TGCAGAAGGC 780  
 ATTTGAGATC GCCAAGCGCA TCCCCATCAT CACCTCCGCC AAAACTCTAG AGCTTGCCAA 840  
 AGTCACCCAG TTCAAAACCA TGGAGTTCGC CCGCTACATC GAAGAGCTTG CCAGGAGCGT 900  
 GCCTCTGCCG CCTCTCATTA TGAAGTGAG GACTATCATG GAGGAGATTA TGGAGGTGGT 960  
 TGGGCTGGAG GAGCAGGGGC AGAATTTTGT GAGGCTACT CCAGAGG3CC AGGAGGCCGC 1020  
 AGACAGGGAT GAGGTCTACA CAATCCCCAA CTCTCTGAAG CGGAGCGACT CCCCTGCCGC 1080  
 TGACTCGGAC GCCTCATCGC TGCACGAGCA ACCTCAGCAA ATTGCCATCA AGGTGTCACT 1140  
 TCACCCGCAG TCCAAAAGAG AGCATGCAGA TGACCAAGAG GGTGGACAGT TTGAAGTCAA 1200  
 AGATGTAGAG GACACAGAAC TGTCGGCGGA ACATTCCCC GAAAGTGAG AACCTTCTAC 1260  
 CGATGTCAG TCCACCGAGC TAACATCTGA AGAGCCAACA CCTGTGAGG TACCAGATAA 1320  
 GGTACTGCCG CCAGCTTACC TGAAGCCAC AGAGCCAGCA GTGACACATG AAAAAACAC 1380  
 CTGCATTATT TACGAAAGCC ATGTCTAATA CCAACCCCGA AAAGCTATGC ATATCAAGAA 1440  
 AATCAGGGGC TGCTCCTTGT AATACAGATG TAGTACGCAC TTGCCGCTAA GCCTTACCAG 1500  
 GAGACTCTCA TCCCTTAGGT AGGAGTGATG CCACCTTAA AGGAGAAACA CCTGCCTGCA 1560  
 GTGAATGGGA CTGGAATTC CCCAGTAGAG AAGGTTGCGA GAAACATCAG GGTGCAGAA 1620  
 TGATACCAGA CAGAAGGTGT CTATGTGATA ATGAGTTTCA GAGGCTGATC TCTGCCAAAT 1680  
 ACCTTAATTG GTGATGCCCT CTTGGCAAAG AGTACACCAC TGTAAGATAT TCTGAGTTCA 1740  
 AGAACCCTGT CCAGTGCCCC CTGCATTGCT TTCCCTTTTA AAAAGTATAG GTCTGCTACA 1800  
 ATAGCAAATG CACGTACGTG GGTTTTTTGC AGTTTCTTCT CAGTTTTAAT TTTGCTTTTC 1860  
 CTTTATAATG GGGTCATTGT TATTAATACT AATTGTTCTT TCTGGTTTAG TCCTCATTGC 1920  
 CACTTTTGTG CTTATGTTTC CCTAGAACAC GTACCTCAGA GACTTTGGTA TCAGTCACCA 1980  
 GTACCAGGSC TGATATCTAC AAGTCACATT ACATTTGTCA TGTTCCAAAG TAGTTACGAG 2040  
 GCTTGTATT TTTTTTTCAT TCCCCAGGCC TATTCCATA GATAGCTTTT TTTGTTTGT 2100  
 TCCAACGAAG CTGCTGTTAA ACGAACTGA GAAAACTTT GCCCCGGAAT AGCACTTTAA 2160  
 TAGTCAAPAA TGTGTTTACC TGTCTGATTG AGTGAGCCTT TTGGTGAGCT CAGCTGAGAT 2220  
 GTAGAGGGAG ATTGTAAAAG GTTAAATATA CCCACACCAC CCATGAAAGT CACTGTTTAA 2280  
 GTTACATCAT CCTCCAAATA AAGACTGATT CTTTACCTGG AAAATATATT GCTTCCAAAG 2340  
 ACATCAGATT CAGTGGATT CTGTAGGTTA TAGAATATTG GCTTCCAAAC AGGCTTGCAG 2400  
 GGACCATATG CTGTTGGATG ACATATAACC AGGTCCACTT TTATGAACTG CATAGCTGAC 2460  
 TTGGTTGTCC TTAAAGAGGA AAGCGAAAGG TTAGGGTAAT AGCAAAGGGA ACTGTGCCAT 2520  
 CAGATTTTAT GCCAAACTG TTGAATAATT ATGCAGTCTT GCAAGAAAGT GGTTATATGT 2580  
 GAGGTSCGTG ATGTTATGGA AAGAAGACAA AATTAGTCAT CCAAAGGCTT AATACCCACT 2640  
 GTGCCAATAA CCAGCTGCCT GGCTTTGGAC AAGTCTGGAC CTCAGGTCCC TTATCTGTAG 2700  
 AAGGGGCAGA TGACATGAGC TCTGAGCACT GTTGAAATGG TATCACTGTC ACACAGAACC 2760  
 AAACCAATAT TCACATCCTT GCTCCTTTTC ACAATGACTT TAAAGATTTT TGCTTTTCATC 2820  
 TCTTGGTCCA CCTAACATTT TCATGCTTCA TTAATTAAAT AAGAATGTTG GTTTTGAGAA 2880  
 ATAGCATTTT AAACAAATTG TGGATCTTCT CCTTCCAAA AAACCATTAG GACCACATCT 2940  
 GCAATTAAGA TTTAATATTG GTGAGAACTA GTGGTTTAT TTAATTTTCC CTTAAAAGCA 3000  
 AAGGAGACAG TAATCTTAAT AAATTCATAG GGGCCGTGGC CACATCAGGT AATGGGGTTA 3060  
 TGATGTCCA GATTGCATGG ATCAGATTGG TGATGAGAGC AGACCCAGAT GTTTAGTCTT 3120  
 CACTCTGTCA CCATCTGAGG AGGTGACCTT GGACAACCTC CTTCCTCTCT CTGGGATTTA 3180  
 ATCTTTTTC TCTGTAAAT ATGCAGGTAG TACTCGAGGG TCTACAGGAT CCCTTCTAGT 3240  
 TGAAACATTT ATAGTTTACA GAAAGTTTGC AGTCTTCCAG GATAACCAAC CCCCCTTGCA 3300  
 TGAGACAAGC AAAAAATGG TCCATGAAT TGGATACTTT TGCCATCCAA ACTTTACAAC 3360  
 AAACATTATC TGGCTCTGTA ATTGAGAGCA GTGGGCTTGG TTTTAAACCT AGCCTTGATT 3420



48

AGTTTGTGTTA	TAGATAACTG	TTGTGGAAGG	TGATAGAACT	AGTCATGGAG	TTTGATGAGA	3460
CATCTCTTGA	AAAGGACTGA	ACTGTTGACT	TCTGGTTAGA	AGTGCTTTGG	GCAGTCACAT	3540
AAAGAAATGA	GCAGTGAGAA	ATCAGGAGAA	ATTATGACTC	CTGTTGGGCT	TTCTGGACTA	3600
GCATTGTATG	TTTTTGGGTT	GCAGAAAAGT	TTTAACACCA	CCTCTTAGAA	TATAAAAATT	3660
TTCCAGTTGT	CATGGAGGTC	CACAGATTCA	TTACCATGGG	TTTATATGCC	CAAAGCAACA	3720
ACAGAGGACT	TAAATTTCAT	TTGTGATACT	GTATGGATGT	TACCCCATCC	TATTCAGTTG	3780
TCATTCCACC	CAAACCCATG	TGTAGGTTTC	CACATGGAAA	GGAGAAGGCA	TCCATTCCAC	3840
CTAGACATTG	AATAGTGATA	ATAAGCTAAA	AGTGGGCAGA	TTTTTCAGTG	AGCAAGAGCA	3900
GAAATATGCG	GCCAAAGAA	GTTTCCTGAT	TGGTTTTGCT	GCTTTAGACT	GCAGTGGGGA	3960
GAGCTTATGT	AGATTTTCAA	AACTTTCTCC	CTCTTTAAGG	CATCATAATG	CTCTCGGTTT	4020
TGATAACAAC	TGACATAAAG	GGAGGTTGAC	TTAAAATGGG	AATTTCTCCT	TCCAAAAATG	4080
CTACACTCTT	CCTATCCATC	CTACAGCTTC	TTTATGAAAT	GAGAGGCCCT	CCTGCTAGAA	4140
TATGAAATGC	AGAAGACCTC	ATGACTTTCA	GCTGATTTTT	CAAAGATAAA	GTGAACGTGT	4200
CAGCTTCATA	GAAATTCATG	CGAGTGTGAC	TGAACGTGTG	TGCATACACA	CTCGTGCACA	4260
TTGGACTCAT	TTGGGCAGTT	TTAAAAGCTT	CACACTAAAT	CCAAAGCCTC	GTCCTTTGGG	4320
TGCTATGTAG	TGTTTTGTAA	AATCAATTTT	TGGCTTCTGA	GTCTCCTGG	TCATATCTCT	4380
AGCAATGTTT	TTCTTGAAAT	TCTGAAAATG	ATTACATAAT	GTGTGTACAT	TTAATTCACT	4440
TAGATGATCT	GTAAACTTGG	ATGGTATTTA	TTCTAAATGG	GGAAAACAAT	TTTATATGGA	4500
AAAACTATG	TAATTTATAA	TGGTTTTGTT	TTATATATTA	TATTTTCATA	TCTCTAGGGC	4560
ACATCTATCC	TCATCTTTTT	GTATACCATA	CTTAGCAAAA	AGAAATACTA	ATACTTGACT	4620
AAAATCTCTA	GGAAACCAAC	GTGATACATG	TGATATATAG	CTTCTAGAAA	TGCTCTAAA	4680
AATCTCTGAA	TGCTCATCC	ATCCCAAGCA	TTATTGTGCT	GTGTCTATTAT	GTCCAGAATG	4740
ATTGTCTTG	GATGCTTATG	AGCATTGTGT	TTTCACAAC	AAGGTTGAAA	GACCTGACAT	4800
CTCACACAAT	GGGGTCTG	AATTCCTCTT	TCTCTCTTTA	TCTGTTTTTA	TTGTTTGT	4860
CATTTTAAAT	TGCACCACTG	TATGTTGTCT	AAACTTTGTT	TTGAAGGGCA	AATGTGAGAT	4920
AACAGAAAG	CAATGTGATG	GAAAGACTGG	ATGAATTTAC	CTATGGCTAT	GTAAATTATT	4980
TTAATGGACT	GATAAGATGT	TTCAAGTCTC	ATGCTTGGAT	CTTTATTTAT	TGGTGATCTA	5040
GGATCTGCTC	AGCTCTTTAG	CACATGAAGA	AAATCAGGTA	CAAAGGACAT	TTGCATGTTT	5100
GGAACAGCAT	GCTCTAAGCC	CCGTGCAGCC	AACACAAATT	AACCTGACTG	TAGAAACACC	5160
AATTCAGCT	GCTGGAAGAA	ATGGTTTAGA	AAGGCAAAAC	AGATACCTTT	TATTCGCCCC	5220
TAGGAAATAC	AGTGTGATC	AGTGCTAAAA	CTCTTCAGTG	GCAGTCACTG	TGGTTCTTTT	5280
AACCTGGGAT	TTCTTTTCAG	TGTTTTCAAT	GGTACCAAAA	CAGAACATTT	ACCTTACATT	5340
TCAGATACTC	TGTTTTCTCA	GCATTGTTCA	GATACCTTCC	TTTACCGCTC	TTCACGTACC	5400
CTTTTGGCAT	TGAGTAATTC	TATAAATGTT	TCTATCCTTG	GTTTTTAAAC	CAAGTTATTTC	5460
ATACTCTTAA	AATATCTACC	AAATCTCATT	GTATTTTCAC	ATATTTTGAG	CATCAAGATA	5520
CTGGTCATTT	TAAAAAATCC	TTCAGTAAAT	AGCACAGTTT	ATTTTCCTAA	TGACATTTTT	5580
AGGGTTTCTT	CATTGATCAA	CCAGGTTTGG	GTTACACAAA	TCAATGTGG	GGGAAAAATC	5640
AAATAAAACA	ATTGCTTATT	ATATTTTCCA	AAGGACTGAG	CATTTATCTT	TTATTCACGA	5700
AGATATCATA	TGAGGATGAT	AATGATCTTT	AACAGATTTT	TTAGAGATAG	AAATTTATAA	5760
GAGGCTGATA	CTAAGAATAC	TACAATCAAA	ATTGAAGCTA	GAGAATGTAA	AAATAGAAAAG	5820
TAAATAGTTC	TAAGAATATT	CTGGCATAAA	TTATTTTAT	TTAGCCAATA	AAATAGCCTC	5880
CAAAATGTATA	TCTCAGACAC	CATAGAGCTG	CTAACAATGA	GAATCAAGGA	AGATGCTTGC	5940
ACTTAGATTT	CGTTTGTGT	ATTTCAGTAG	TTCTGGATGT	CCTTTGTTAA	AATTGGAATA	6000
TGGAAAAATG	TCTCGACAGA	AATGTCAATC	TGGTGATTCT	GTGAACGTGA	AAATGTTTAC	6060
TTTTAAAAAT	AAAGTTGTAA	ACAAGTTACT	CATATAAGTT	GGTATTACAG	TAGCAAAAAC	6120
AGAAAACCAT	GTGATCCATC	CTGTATTTTG	ATTGATGCTT	TAATAAAGGG	TTGTCACAGC	6180
TGTG						6184

Name: 265

Len: 4959 Check: 2395

GAGGTGGCGA	CCTCACAGTC	CTGATGGCCC	TGCTTCTGCA	GGCTGGCGGG	AACACATGGA	60
ACCACGTCGG	AGGTTTGAGT	TTGATTTTCG	AGATAGAGAT	GATGAACGGG	GTTACCGAAG	120
GGTTCGCTCT	GGCAGTGGGA	GCATAGATGA	TGACAGGGAT	AGCTTGCCCG	AATGGTGCTT	180
AGAGGATGCT	GAAAGAAGAA	TGGGTACATT	TGACTCATCT	GGAGCATTCC	TTTCTCTAAA	240
AAAAGTACAG	AAAGAGCCTA	TTCCAGAAGA	GCAGGAGATG	GACTTCCGGC	CTGTGGACGA	300
AGGGGAGGAG	TGCTCTGACT	CTGAGGGTAG	CCATAATGAA	GAGGCCAAAG	AACCCGATAA	360
GACAAATAAG	AAAGAAGGAG	AGAAAACAGA	TAGAGTAGGA	GTTGAAGCTA	GTGAGGAAAC	420
TCCCCAGACC	TCAATCATCAT	CTGCTAGACC	AGGTACTCCT	TCAGACCATC	AGTCTCAGGA	480
AGCATCACAG	TTTGAGAGGA	AAGATGAACC	AAAACTGAG	CAAACGGAAA	AAGCTGAAGA	540
GGAGACTCGG	ATGGAAAATA	GTCTACCAGC	CAAAGTGCCC	AGCAGAGGGG	ATGAAATGGT	600
TGCTGATGTC	CAGCAGCCCC	TGTCGCAGAT	TCCTTCAGAT	ACAGCCTCTC	CTCTTCTCAT	660
ACTTCCACCT	CCTGTTCCCA	ATCCTAGTCC	TACTCTCCGG	CCAGTTGAAA	CACCAAGTTGT	720
AGGTGCTCCT	GGTATGGGCA	GTGTTTCCAC	AGAACCCTGAT	GATGAAGAAG	GTCTCAAACA	780
TTTGGAGCAG	CAAGCTGAGA	AAATGGTGGC	TTATCTCCAA	GACAGTGCAC	TAGATGATGA	840
ARGATTGGCA	TCAAAACTGC	AAGAGCACAG	AGCTAAAGGA	GTGTGATTC	CATTGATGCA	900



49

TGAAGCAATG	CAGAAGTGGT	ATTACAAAGA	TCCTCAGGGA	GAAATTCAAG	GTCCCTTCAA	960
TAATCAGGAG	ATGGCAGAAAT	GGTTTTCAGGC	GGGCTATTTT	ACTATGTCTT	TATTGGTGAA	1020
GAGAGCGTGT	GATGAAAGCT	TCCAACCTCT	TGGCGATATC	ATGAAATGT	GGGGAAGGGT	1080
TCCCTTTTCT	CCAGGTCCAG	CTCCCCCTCC	TCATATGGGA	GAGCTGGACC	AGGAACGACT	1140
GACCAGGCAG	CAAGAACTCA	CAGCCTTATA	CCAGATGCAG	CACCTGCAGT	ACCAGCAGTT	1200
TTTAATACAA	CAACAATATG	CACAGGTTTT	GGCCCAACAG	CAGAAAAGCAG	CAGTGTCTTC	1260
CCAGCAGCAG	CAGCAGTTGG	CACCTTCTTCT	TCAACAGTTT	CAGACCTTGA	AGATGAGAAT	1320
ATCTGATCAG	AACATCATTC	CCTCAGTAAC	TAGGTCTGTG	TCCGTGCCAG	ATACTGGCTC	1380
TATCTGGGAG	CTTCAGCCAA	CAGCTTCACA	GCCTACAGTT	TGGGAAGGTG	GTAGTGTATG	1440
GGATCTTCCCT	CTGGACACCA	CGACACCAGG	CCCTGCCCTG	GAACAGCTTC	AGCAGCTAGA	1500
GAAGGCCAAA	GCTGCAAAGC	TAGAGCAAGA	GAGAAGAGAG	GCAGAAATGA	GGGCAAAACG	1560
GGAAGAGGAA	GAGCGAAAGA	GGCAGGAAGA	ACTCCGAAGA	CAACAGGAGG	AAATTCTTCG	1620
GCGACAGCAG	GAAGAAGAAA	GGAAAAGGCG	AGAGGAAGAA	GAAGTGGCCC	GAAGGAAACA	1680
GGAAGAGGCT	CTGGCTCGCC	AGCGGGAGCA	AGAAATTGCA	TTAAGGCGAC	AGCGAGAAGA	1740
GGAAGAAAAG	CAGCAGCAAG	AAGAAGCTCT	TAGAAGACTG	GAAGAGAGGA	GAAGAGAAGA	1800
GGAAGAAAGG	CGGAAGCAGG	AAGAATTGTT	ACGCAACACG	GAAGAGGAGG	CTGCAAAATG	1860
GGCCCGGGAA	GAAGAAGAAG	CCCAGCGTCG	ATTAGAGGAG	AACCGGCTGC	GGATGGAAGA	1920
GGAGGCAGCC	AGACTCCGGC	ATGAGGAAGA	AGAACGGAGG	AGAAAGGAGC	TGGAGGTCCA	1980
GCGGCAGGAG	GAGTTAATGC	GCCAGAGGCA	GCAGCAGCAA	GAGGCTCTCC	GGAGGTTGCA	2040
GCAGCAGCAG	CAGCAACAAC	AGCTGGCGCA	GATGAAGCTT	CCTTCTTCTT	CAACGTGGGG	2100
CCAGCAGTCC	AATACAACAG	CATGTCAGTC	CCAGGCCACG	CTGTCGTTGG	CTGAAATCCA	2160
AAAACATAGG	GAAGCAAGAG	AACGGCAGCT	TCGAGAAGAG	CAAAGGCGCC	AGCAGAGGGA	2220
GTTGATGAAA	GCTCTTCAGC	AGCAGCAGCA	ACAGCAACAG	CAGAAACTCT	CAGGTTGGGG	2280
GAATGTCAGC	AAACCTTCAG	GTACCACGAA	ATCTCTTCTG	GAGATCCAGC	AGGAAGAGGC	2340
CAGGCAAAATG	CAAAAGCAGC	AGCAGCAGCA	GCAGCAACAC	CAGCAACCAA	ACAGAGCTCG	2400
TAACAATACG	CATTCCAACC	TGCACACCAG	CATTGGGAAT	TCTGTTTGGG	GCTCTATAAA	2460
TACTGGTCCCT	CCTAACCAAGT	GGGCATCTGA	CCTAGTCAGT	AGTATTTGGA	GTAATGCTGA	2520
CACTAAAAAC	TCCAACATGG	GATTCTGGGA	TGATGCAGTG	AAAGAGGTGG	GACCTAGGAA	2580
TTCAACAAAT	AAAAATAAAA	ACAACGCCAG	TCTCAGTAAA	TCTGIAGGTG	TGTCTAACCG	2640
GCAGAAATAG	AAAGTAGAAG	AAGAAGAAAA	GTTGCTGAAG	CTCTTTCAGG	GAGTAAATAA	2700
AGCCCAAGAT	GGATTACGC	AGTGGTGTGA	ACAGATGCTT	GATGCCCTTA	ATACGGCAAA	2760
TAACCTGGAT	GTTCCCAACAT	TTGTTTCTTT	CCTGAAAGAA	GTAGAATCTC	CTTATGAGGT	2820
CCATGATTAT	ATCAGGGCCT	ATTTAGGAGA	TACTTCTGAG	GCCAAGGAGT	TTGCCAAGCA	2880
GTTCTTTGAG	CGCCGTGCCA	AACAGAAAGC	CAACCAGCAG	CGTCAGCAGC	AGCAGCTGCC	2940
ACAGCAGCAG	CAGCAGCAGC	CGCCACAGCA	GCCGCCACAG	CAGCCACAAC	AGCAGGACTC	3000
TGTGTGGGGG	ATGAACCACA	GTACACTCCA	TTCACTATTT	CAGACCAATC	AAAGCAACAA	3060
CCAACAATCC	AATTTTGAGG	CTGTGCAGAG	TGGCAAGAAG	AAGAAAAAGC	AGAAGATGGT	3120
CCGAGCAGAT	CCCAGTTTAT	TAGGATTTTC	AGTCAATGCA	TCATCGGAGC	GACTCAACAT	3180
GGGTGAAATC	GAGACGTTGG	ATGACTACTG	AGCAACTGCC	AGTGGACTGG	CCATCCCTCT	3240
CCTGTCTGCC	GACTATGGAG	TCTCCACCTT	TGGACACAAC	ACTTACTCAC	CATTTACTCT	3300
TTATCACTCT	GCAACAAATC	ACAGAACCAG	TCATCTCAGG	CTTTTTCTTC	TGGCCCTTTG	3360
TGTCCAAGAT	TCTTTAATCC	ATTTTGTGTG	GTGAACATCT	CAGACTATAG	ATAAGTGGAC	3420
TGGACCCTGT	GTCTTGGGGG	TGGCAGTTGG	GATTACTCCC	CAACAAGGCT	GATTTTAGGC	3480
AGCATGTGTT	CACGTGTGCTG	TGATTTTCATC	TACTGTCTCC	CAGAAAGTGT	GTTGGGATCG	3540
GCCATTAGCA	GCTTGCTTTC	TCTTGCTCAAT	TTTTTTCTTC	TATTTTGTGT	TTTCTTCTTC	3600
TTTTTCCCCC	CATCAGGGCA	AATGGTCTAA	CTGGTGCAAT	CATGAAGAGA	GTTAATGGTT	3660
AACAGACATT	GGCCAATAAC	AAAACACCCC	ATGGACTGTG	ACTCGAGTAT	CCAACAGGCA	3720
GTCAGAGCTC	TCCCGGTCTG	AAAAGTTGCAT	TGCCACTGCT	AACTTTGGGA	TTGCATCAGA	3780
GAGGCCCTGA	GTGGGGTTGA	GATGAGGTTG	GTTTGGTTTG	ATGTTACACA	CTCCTCACCT	3840
GTTCTTTCTG	AGTGTCTCTT	CTCTGAAAGG	ATTTATGTTT	TTCTTCGTTA	GATAGTGAAT	3900
TCTGAGCAAG	CTGATCTCCC	CTGGCATGCT	CCAACCTGAT	TGGACAAAGG	AAGCTCTATG	3960
GCCTGGGAGA	GAGACTATTG	TTAATTTTTT	TTTCTTACAA	AAACTGATTT	TTCCCATAAA	4020
TATTTTACT	TCAGAGGACT	AGGACCATTT	TGTTTTGGGC	CCTTCTGCTG	AAAATTTGTC	4080
TCGTTTAAAG	GGCAGCTAGA	ATCTTTACCA	TATGTATGAA	TTTGTATAAT	TTCATTTTTG	4140
GATAGGGATA	AACCTTTGCT	TCTGATAAAA	GCCTGGAATT	TCATCTGGTC	CTCAGAGCAT	4200
TGCGTGTGTG	ACTTGTGCTA	GCCCCGAAAA	GGTTTTGTGT	AAAGATTCTG	GGATGGCAAG	4260
TTGTTTGCCT	TTTCTGAAAA	GAGAACATAC	AGAACCTGTC	CATCTTTAAG	ACCTTCATCC	4320
ATGGAATCTA	CTATACAGGA	GGATGCAGTG	GGCTGGAGGG	GATGGGCGAA	AATGGGAGCA	4380
GGAAGCCTGG	CCTGGCTTCT	GGTCATGGCC	TCCTAAAACC	TTAAACTTCA	AGTAGAAATG	4440
TACTCAAGCC	CTATTTATAA	ACAAATACTT	TTCTTGCTTC	CACCAAACCC	CTACAGAACA	4500
TCACCTGGAA	TTGCCACTCA	CAGTGGGTTG	GAGTCATTGG	GCAGCTGTGC	CTGTGCGAGA	4560
GGTGCTGTGG	TCTGGGCAGC	CCCTGGAAAA	GCACCTTTGC	TGCTGTCTAT	TGTTGCCTGA	4620
AGAAGGCTGG	AGTTGCTCTG	AGAGCAGTTT	GGGTTTGGAG	TATTATATTT	GGCTTCTATT	4680

TTTATTATTT TGGATCACCA TTCTCCCTAT CCCTTCTTGC CTCCCTCCCT TCTAAACATG 4740  
 TGTAATAACT ATACAGAGAC TGCTACAAAA TTGTATATAG TTTTGGATC AAATAGCATG 4800  
 AGGGGAGAGG AAACCATTA AAGTTGGGGC TCCTACTCTC CTTTGCTTTG TAAATTCAAA 4860  
 AGTTGGGGGT GGGTAAGAGG GATAGTTAAA ATGTTTACAA AACTTTAGGC TCCCTCGGAA 4920  
 CTTTGGCCAG TGTGGAGGAA AATAAAAAAG AACTTAAAT 4959  
 Name: 266 Len: 5676 Check: 1D2F  
 GGATCCTTGA GGGCACTGGT GCGACTTTCA GGTGAGGTCT TAGCAGATGA AAGCGGCTGG 60  
 CTGTGGCCCG CGCCAGTAGT GCTTTCTGCT CCGCACTCGC CGTGAGCCAG GTGTGCAACC 120  
 GGATTTGGGG CGAGGGTCGC GCTGGCTACC TCGCATGCGC AGAGCCGGAA GCCCGCTGAC 180  
 CGGACTACAG CTCCAGAAAG AGCCTTGTGG AGGCCGCGA GCGGAAGCCG CTGGCGCCAT 240  
 CTTGAAATCT GATCCTCCAT CCCCAGGGCT TTGCTCTGCG GCGGCCGGCC GCTGCTGCTC 300  
 CGGGAGCCCA GTCTGCTAAA AGGGGAGGAC GTTGAGGACG CGGCGGCTGG CGGGAGAGAC 360  
 AGCTGGGGAG AGACATGGCA GGGTCGGAGC GCGGCCTGCG CCTCTGTAC TCAGCATCCT 420  
 CTTAGGCSTT TCCACGCCCG CCCCCTGCCC GAGGGGCGGG GCTGACGGCT CTGGTACCCG 480  
 GAGTCGGCGC GCGGGGCGAG GCGCGGCCCC TGCAGAGTGG GGACCCCACT GGGCTGTGCC 540  
 ATGCTGACCG GAGACCACCG AGGCGGGAGA CAGAGCGCGG CGAAGAGCCA TTGAGTGGTC 600  
 ACCCAGTAGC CGCGCGCGCC GCGGCCTCGG GAAGCTTGCC ACCCGCTAGG AGGGAAGATG 660  
 AAGGAGATTT GCAGGATCTG TGCCCGAGAG CTGTGTGGAA ACCAGCGGCG CTGGATCTTC 720  
 CACACGGCGT CCAAGCTCAA TCTCCAGGTT CTGCTTTGCG ACGTCTTGGG CAAGGATGTC 780  
 CCCCSCGATG GCAAAGCCGA GTTCGCTTGC AGCAAGGTGT CTTTCATGCT TGATCGAATC 840  
 TATCGATTGG ACACAGTTAT TGCCCGGATT GAAGCGCTTT CTATTGAGCG CTTGCAAAAG 900  
 CTGCTACTGG AGAAGGATCG CCTCAAGTTC TGCATTGCCA GTATGTATCG GAAGAAATAC 960  
 GATGACTCTG GCGCGGAGAT CAAGGCGGGG AATGGGACGG TTGACATGTC CGTCTTACCC 1020  
 GATGCGAGAT ACTCTGCACT GCTCCAGGAG GACTTCGCCT ATTCAAGGTT TGAGTGCTGG 1080  
 GTGGAGAATG AGGATCAGAT CCAGGAGCCA CACAGCTGCC ATGGTTTCAGA AGGCCCTGGA 1140  
 AACCAGCCCA GGAGATGCCG TGGTTGTGCC GCTTTGCGGG TTGCTGATTC TGACTATGAA 1200  
 GGCATTTGTA AGGTACCTCG AARGGTGGCC AGAAGTATCT CCTGCGGCC TTCTAGCAGG 1260  
 TGGTCGACCA GCATTTGCAC TGAAGAACCA CGCTGTCTG AGGTGGGGCC ACCCGACTTA 1320  
 GCAAGCACAA AGGTACCCCG AGATGGAGAA AGCATGGAGG AAGAGACGCC TGGTTCCTCT 1380  
 GTGGAATCTT TGGATGCAAG CGTCCAGGCT AGCCCTCCAC AACAGAAAGA TGAGGAGACT 1440  
 GAGAGAAGTG CAAAGGAACT TGGAAGTGT GACTGTTGTT CAGATGATCA GGCTCCGAG 1500  
 CATGGGTGTA ATCACAAGCT GGAATTAGCT CTTAGCATGA TTAAAGGTCT TGATTATAAG 1560  
 CCCATCCAGA GCCCCGAGG GAGCAGGCTT CCGATTCCAG TGAATCCAG CCTACCTGGA 1620  
 GCCAAGCCTG GCCCTAGCAT GACAGATGGA GTTAGTTCCG GTTTCCTTAA CAGGTCTTTG 1680  
 AAACCCCTTT ACTAAGACAC TGTGAGTTAT CCGTTGGAGC TTTGAGACCT GCAGGAGCTG 1740  
 TGGGATGATC TCTGTGAAGA TTATTGCGG CTCGGGGTCC AGCCCATGAC TGAAGAGTTG 1800  
 CTGAAACAAC AAAAGCTGAA TTCACATGAG ACCACTATAA CTCAGCAGTC TGTATCTGAT 1860  
 TCCCACTTGG CAGAACTCCA GGAAAAATC CAGCAACAG AGGCCACCAA CAAGATTCTT 1920  
 CAAGAGAAAC TTAATGAAAT GAGCTATGAA CTAAAGTGTG CTCAGGAGTC GTCTCAAPAG 1980  
 CAAGATGGTA CAATTCAGAA CCTCAAGGAA ACTCTGAAAA GCAGGGAACG TGAGACTGAG 2040  
 GAGTTGTACC AGGTAATTGA AGGTCAAAAT GACACAATGG CAAAGCTTCG AGAAATGCTG 2100  
 CACCAAGGCC AGCTTGACA ACTTCACAG TCAGAGGGTA CTTCTCCAGC TCAGCAACAG 2160  
 GTAGCTCTCG TTGATCTTCA GAGTGCTTTA TTCTGCAGCC AACTTGAAAT ACAGAAGCTC 2220  
 CAGAGGGTGG TACGACAGAA AGAGCGCCAA CTGGCTGATG CCAAACAATG TGTGCAATT 2280  
 GTAGAGGCTG CAGCACACGA GAGTGAACAG CAGAAAGAGG CTTCTTGGA ACATAACCAG 2340  
 GAATTGCGAA AAGCCTTGCA GCAGCTACAA GAAGAATTGC AGAATAAGAG CCAACAGCTT 2400  
 CGTGCCTGGG AGGCTGAAAA ATACAATGAG ATTCGAACCC AGGAACAAAA CATCCAGCAC 2460  
 CTAAACCATA GTCTGAGTCA CAAGGAGCAG TTGCTTCAGG AATTTGCGGA GCTCCTACAG 2520  
 TATCGAGATA ACTCAGACAA AACCCTTGAA GCAAAATGAAA TGTGCTTGA GAACTTCGC 2580  
 CAGCGAATAC ATGATAAAGC TGTGCTCTG GAGCGGGCTA TAGATGAAAA ATTCTCTGCT 2640  
 CTAGAAGAGA AAGAAAAAGA ACTGCGCCAG CTTCTGTTG CTGTGAGAGA GCGAGATCAT 2700  
 GACTTAGAGA GACTGCGCGA TGTCTCTCC TCCAATGAAG CTACTATGCA AAGTATGGAG 2760  
 AGTCTCTGA GGGCCAAAGG CCTGGAAGTG GAACAGTTAT CTACTACCTG TCAAAACCTC 2820  
 CAGTGGCTGA AAGAAGAAAT GGAAACCAA TTAGCCGTT GGCAGAAGGA ACAAGAGAGT 2880  
 ATCATTACAG AGTTACAGAC GTCTCTTCAT CATAGGAACA AAGAAGTGGG GGATCTTAGT 2940  
 GCAACACTGC TCTGCAAACT TGGACCAGGG CAGAGTGAGA TAGCAGAGGA GCTGTGCCAG 3000  
 CGTCTACAGC GAAAGGAAAG GATGCTGCAG GACCTTCTAA GTGATCGAAA TAAACAAGTG 3060  
 CTGGAACATG AAATGGAGAT TCAAGGCCTG CTTCAAGTCTG TGAGCACCAG GGAGCAGGAA 3120  
 AGCCAAAGCTG CTGCAGAGAA GTTGGTGCAA GCCTTAATGG AAAGAAATTC AGAATTACAG 3180  
 GCCCTGCGCC AATATTTAGG AGGGAGAGAC TCCCTGATGT CCAAGCACC CATCTCTAAC 3240  
 CAACAAGCTG AAGTTACCCC CACTGGCCGT CTTGGAAAAC AGACTGATCA AGGTTCATATG 3300  
 CAGATACCTT CCAGAGATGA TAGCACTTCA TTGACTGCCA AAGAGGATGT CAGCATACCC 3360  
 AGATCCACAT TAGGAGACTT GGACACAGTT GCAGGGCTGG AAAAAAGACT GAGTAATGCC 3420

51

AAAGAGGAAC	TTGAACTCAT	GGCTAAAAAA	GAAAGAGAAA	GTCAGATGGA	ACTTTCTGCT	3480
CTACAGTCCA	TGATGGCTGT	GCAGGAAGAA	GAGCTGCAGG	TGCAGGCTGC	TGATATGGAG	3540
TCTCTGACCA	GGAAACATACA	GATTAAAGAA	GATCTCATAA	AGGACCTGCA	AATGCAACTG	3600
GTTGATCCTG	AAGACATACC	AGCTATGGAA	CGCCTGACCC	AGGAAGTCTT	ACTTCTTCGG	3660
GAAAAAGTTG	CTTCAGTAGA	ATCCCAGGGT	CAAGAAATTT	CAGGAAACCG	AAGACAACAG	3720
TTGCTGCTGA	TGCTAGAAGG	ACTAGTAGAT	GAACGGAGTC	GGCTCAATGA	GGCCTTACAA	3780
GCAGAGAGAC	AGCTCTATAG	CAGTCTGGTG	AAGTTCCATG	CCCATCCAGA	GAGCTCTGAG	3840
AGAGACCGAA	CTCTGCAGGT	GGAACCTGAA	GGGGCTCAGG	TGTTACGCAG	TCGGCTAGAA	3900
GAASTTCTTG	GAAGAAGCTT	GGAGCGCTTA	AACAGGCTGG	AGACCCTGGC	CGCCATTGGA	3960
GGTGCAGCTG	CAGGGGATGA	CACCGAAGAT	ACAAGCACTG	AGTTCACTGA	CAGTATTGAG	4020
GAGGAGGCTG	CACACCATAG	TCACCAGCAA	CTATAGCTTC	AGAAGCATTT	TTACTTGCAA	4080
GACGATGGAC	ACATTCCCCCT	TGGGCTTTTT	GTAACCTGAA	CGCACCACAG	AAGACAGGGA	4140
GTCATCGAAG	GGCTGCTCGG	GGAGCTGGCA	GGGCGGAGGA	CCTGCTTGGG	AAGAACTCC	4200
AAGAAGATTG	GAATGCTTCC	AAAGCAAGAA	TCTTCTCAG	TGAAATCTCA	TTATACAAAG	4260
AGAACCCTAT	GCAACCTGAC	AAACCCTGAC	GGTCATGGTG	ACTCAGTGAT	CAGCAGATGG	4320
TACTTCAACA	GCAATCCCCCT	GTCAAACCTC	AGAACCTGAG	GCTGAAACAT	TGCTTCCACC	4380
CACCATCAGT	GAAGATGTAA	CTAGCATGTT	ACAAGAGTGA	ATAATCTGGA	CTTCAGAGAT	4440
TAAGTCACCA	ATAGTGATCT	CACAAGCACT	CACCGGAACT	CCTATAATGT	CTCCACTTTG	4500
TCCATGCCAT	TTAGCAATCT	CATCTCCTAA	ATGGACTGTG	CCTATGATTC	TTAAGGAGAA	4560
AGTGAATCAT	TGGTAGATA	CCTGCACAAG	CAGCTGGACT	TTCCAGTAAT	AGCTTTCTTG	4620
GGGCTATTAG	GAAAATTAAA	CAAGAAATGA	GGCTTCTCTG	GTCTGCCTGT	ATGCTTCTTG	4680
CATAAGACAA	AGAAGACAA	TCGAATCAAC	CAATAAGAAG	AGCCCAAATA	AGCATCCTCA	4740
AATCTTTTGG	GATTTGGCAC	TTGGGGACAT	GAGTAGTTGT	CTGGGATACG	TCATATTCTC	4800
AACAGTTTCT	TTGTAGTAGT	AGGATCACCT	TCTTATAATA	GGATCACCTT	CTTGTGTGTA	4860
TAGCTGTACC	CGACCTTCCC	TTCTCCCTTG	AGTGCTTGCA	TGAGCTCCAC	TTTCTCTTTT	4920
GCTTGAACAG	CTTCTCCTGA	GTCTCCTTA	CCGATGGTTG	TGACTTTAAT	TATATACATC	4980
TCTGTCCCTC	CAGACAGATC	CCTCTGTCTT	CACCTCTCTG	TTTCATTGAG	GATCTTGGGT	5040
GAGAGAGAGG	GACCTGCAGG	ATGAACAAAT	GTCTACTCTA	AGACAGCTAG	ATTGGGAGGT	5100
TGGCTGGTCA	CTGATGGTTA	TAATGACTGT	GGGACAGGAT	TAACCTCAGA	ATAAATGAAC	5160
AGGAGACACA	GATATGAAGA	AAGTTTCTGA	TTGATATGGT	CTGAAGTACT	CCTGGTATTG	5220
CAAGTCATTT	GCTCTAATTC	TCAATTGTAG	GCAAACTGAT	TTGTAAATTT	GCTTCTTCAG	5280
CCTTCTTTCC	TGTAGCCTAG	CATGGAGAAT	CTGACCAGAC	CCCATTTTGA	GAAGGTCAGC	5340
CTACACTGGA	ATGAACCTTT	TACATTAGGG	CATTGTATT	TCCCTCACAA	TACTTGCCAC	5400
ATTACTTGGC	ATAGGAGAGA	TGCTTAGTGT	AATTATAAGT	TAACAAGCCT	TTGGATCAGG	5460
GCTTGACTCA	TGATAGACAA	AGTATATGCC	TGCTGGATGG	AAGAATCTCT	TGGGCGAGCA	5520
CCATTTTTCT	TTCCATCACC	TTTCCTTGAA	AATATATCTT	CAGCTTTGGG	TAGGAGGAAT	5580
CTTGGTGTAT	GAAATCATTG	CAAATTTACT	TCATCTTTTC	TGGAGTTTGA	AGTTGTGACT	5640
CTCCTGCTAC	CAATTAAATA	AAGCTTACTT	TGCCAT			5676

Name: 267      Len: 2483      Check:      C86

TGGAGTTTGA	CTATTCTGAG	GACAAGAGTA	GTTGGGACAA	CCAGCAGGAA	AACCCCCCTC	60
CTACCAAAAA	GATAGGCAAA	AAGCCAGTTG	CCAAAATGCC	CCTGAGGAGG	CCAAAGATGA	120
AAAAGACACC	CGAGAAACTT	GACAACACTC	CTGCCATCAC	TCCAGATGCC	CTGCTGAAC	180
CCAATGACAT	CCCCATTGCT	AAAGGTACTT	ACACCTTTGA	TATTGACAAG	TGGGATGACC	240
CCAATTTTAA	CCCTTTTTCT	TCCACCTCAA	AAATGCAGGA	GTCTCCCAA	CTGCCCAAC	300
AATCATACAA	CTTTGACCCA	GACACCTGTG	ATGAGTCCGT	TGACCCCTTT	AAGACATCCT	360
CTAAGACCCC	CAGCTCACCT	TCTAAATCCC	CAGCCTCCTT	TGAGATCCCA	GCCAGTGCTA	420
TGGAAGCCAA	TGGAGTGGAC	GGGGATGGGC	TAAACAAGCC	CGCCAAGAAG	AAGAAGACGC	480
CCCTAAAGAC	TGACACATTT	AGGGTGAAAA	AGTCGCCAAA	ACGGTCTCCT	CTCTCTGATC	540
CACCTTCCCA	GGACCCCAAC	CCAGCTGCTA	CACCAGAAAC	ACCACAGTGG	ATCTCTGCGG	600
TGGTCCACGC	CACAGATGAG	GAAAAAGCTG	CGGTCAACAA	CCAGAAGTGG	ACGTGCATGA	660
CAGTGGACCT	AGAGGCTGAC	AAACAGGACT	ACCCGCAGCC	CTCGGACCTG	TCCACCTTTG	720
TAAACGAGAC	CAAATTCAGT	TCACCCACTG	AGGAGTTGGA	TTACAGAAAC	TCCTATGAAA	780
TTGAATATAT	GGAGAAAATT	GGCTCCTCCT	TACCTCAGGA	CGACGATGCC	CCGAAGAAGC	840
AGGCCTTGTA	CCTTATGTTT	GACACTTCTC	AGGAGAGCCC	TGTCAAGTCA	TCTCCCGTCC	900
GCATGTTCAG	GTCCCCGACG	CCGTGTTTCA	GGTCAAGTTT	TGAAGAGACT	GAAGCCCTTG	960
TGAACACTGC	TGCGAAAAAC	CAGCATCCTG	TCCCACGAGG	ACTGGCCCCCT	AACCAAGAGT	1020
CACACTTGCA	GGTGCCAGAG	AAATCCTTCC	AGRAGGAGCT	GGAGGCCATG	GGTTTGGGCA	1080
CCCCTTTCTA	AGCGATTGAA	ATTACAGCTC	CCGAGGGCTC	CTTTGCCCTCT	GCTGACGCCC	1140
TCCTCAGCAG	GCTAGCTCAC	CCCGTCTCTC	TCTGTGGTGC	ACTTGACTAT	CTGGAGCCCC	1200
ACTTAGCAGA	AAAGAACCCC	CCACTATTCT	CTCAGAAACT	CCAGAGAGAG	GCTGTTCCAC	1260
CAACAGACGT	CTCCATCTCC	AAAACAGCCT	TGTACTCCCG	CATCGGGACC	GCTGAGGTGG	1320
AGAAACCTGC	AGGCCTTCTG	TTCCAGCAAC	CCGACCTGGA	CTCTGCCCTC	CAGATCGCCA	1380
GAGCAGAGAT	CATAACCAAG	GAGAGAGAGG	TCTCAGAATG	GAAAGATAAA	TATGAAGAAA	1440

52

GCAGGCGGGA AGTGATGGAA ATGAGGAAAA TAGTGGCCGA GTATGAGAAG ACCATCGCTC 1500  
 AGATGATAGA GGACGAACAG AGAGAGAAGT CAGTCTCCCA CCAGACGGTG CAGCAGCTGG 1560  
 TTCTGGAGAA GGAGCAAGCC CTGGCCGACC TGAAGTCCGT GGAGAAGTCT CTGGCCGACC 1620  
 TCTTCAGAA AGATGAGAAG ATGAAGGAGG TCCTAGAAGG CTTCCGCAAG AATGAAGAGG 1680  
 TGTGGAAGAG ATGTGCGCAG GAGTACCTGT CCCGGGTGAA GAAGGAGGAG CAGAGGTACC 1740  
 AGGCCCTGAA GGTGCACGCG GAGGAGAAAC TGGACAGGGC CAATGCTGAG ATTGCTCAGG 1800  
 TTCGAGGCAA GGCCAGCAG GAGCAAGCCG CCCACCAGGC CAGCCTGCGG AAGGAGCAGC 1860  
 TGGAGTGGGA CGCCCTGGAA AGGACGCTGG AGCAGAAGAA TAAAGAAATA GAAGAACTCA 1920  
 CCAAGATTTG TGACGAACCTG ATTGCCAAAA TGGGGAAAAG CTAAGTCTGA ACCGAATGTT 1980  
 TTGGACTTAA CTGTTGCGGC AATATGACCG TCGGCACACT GCTGTTCTTC CAGTTCCATG 2040  
 GACAGGTTCT GTTTTCACTT TTTCGTATGC ACTACTGTAT TTCCTTTCTA AATAAAATTG 2100  
 ATTTGATTGT ATGCAGTACT AAGGAGACTA TCAGAATTTT TGTCTATTGG TTTGCAATTT 2160  
 CCTAGTATAA TTCATAGCAA GTTGACCTCA GAGTTCTGT ATCAGGGAGA TTGCTGATT 2220  
 CTCTAATAAA AGACACATTG CTGACCTTGG CCTTGCCCTT TGTACACAAG TTCCCAGGGT 2280  
 GAGCAGCTTT TGGATTTAAT ATGAACATGT ACAGCGTGCA TAGGGACTCT TGCCTTAAGG 2340  
 AGTGTAAACT TGATCTGCAT TTGCTGATTT GTTTTAAAA AAACAAGAAA TGCATGTTTC 2400  
 AATAAAATT CTCTATTGTA AATAAAATTT TTCTTTTGA TCTTGAAAA AAAAAAAA 2460  
 AAAAAAAA AAAAATAAAA AAA 2483

Name: 268 Len: 4143 Check: 23CF  
 GGCTGATGAC GACTGGTGGC CAATGCAGAT ACTAATTAAG TGCCCTAATC AAATTGTGAG 60  
 ACAGATGTTT CAGCGTTTGT GTATCCATGT GATTCAGAGG CTGAGACCTG TGCATGCTCA 120  
 TCTCTATTTG CAGCCAGGAA TGGAAGATGG GTCAGATGAT ATGGATACCT CAGTAGAAGA 180  
 TATTGGTGGT CGTTCAITGT TCACTCGCTT TGTGAGAACC CTGTTATTA TATGGAACA 240  
 TGGTGTAATA CCTCACAGTA AACATCTTAC AGAGTATTTT GCCTTCCTTT ACGAATTTGC 300  
 AAAAAATGGT GAAGAAGAGA GCCAATTTTT GCTTTCAITG CAAGCTATAT CTACAATGGT 360  
 AAAATTTTTAC ATGGGAACAA AAGGACCTGA AAATCCTCAA GTTGAAGTGT TATCAGAGGA 420  
 AGAAGGGGAA GAAGAAGAGG AGGAAGAAGA TATCCTCTCT CTGGCAGAAG AAAAAACAG 480  
 GCCAGCTGCC CTGAAAAAGA TGATAGCTTT AGTTGCTCTT TTGGTTGAAC AGTCTCGATC 540  
 AGAAAGGCAT TTGACATTAT CACAGACTGA CATGGCAGCA TTAACAGGAG GAAAGGGATT 600  
 TCCCTTCTTG TTTCAACATA TTCGTGATGG CATCAATATA AGACAACTT GTAATCTGAT 660  
 TTTACAGCTG TGTGATACA ATAATCGACT TGCAGAACAT ATTGTATCTA TGCTTTTCA 720  
 ATCAATAGCA AAGTTGACTC CTGAGGCAGC CAATCCTTTC TTTAAGTTGT TGACTATGCT 780  
 AATGGAGTTT GCTGGTGGAC CTCCAGGAAT GCCTCCCTTT GCATCTTATA TTCTGCAGAG 840  
 ACCCCGPAAT AACTGGCAC ACAGCTGGGT CTTACAGAAT ATGGAAAACT GGGTCGAGCG 900  
 GTTTCTTTTG GCTCACAAT ATCCTAGAGT GAGGACTTCT SCAGCTTATC TTCTGGTGTG 1020  
 CCTTATACCA AGCAATTCAT TCCGTCAGAT GTTCCGGTCA ACAAGTCTT TGCACATCCC 1080  
 AACCCGTGAC CTTCCACTCA GTCCAGACAC AACAGTAGTC CTACATCAGG TCTACAACGT 1140  
 GCTCCTTGGT TTGCTCTCAA GAGCCAAACT TTATGTTGAT GCTGCTGTTT ATGGCACTAC 1200  
 AAAGCTAGTG CCCTATTTTA GCTTTATGAC TTACTGTTTA ATTTCCAAAA CTGAGAAGCT 1260  
 GATGTTTTCC ACATATTTCA TGGATTTGTG GAACCTTTTC CAGCCTAAAC TTTCTGAGCC 1320  
 AGCAATAGCT ACAAATCACA ATAAACAGGC TTTGCTTTCA TTTTGGTACA ATGTCTGTGC 1380  
 TGAAGTGTCA GAGAATATCC GCCTTATTTG TCAGAACCCA GTGGTAACCA AGAACATTGC 1440  
 CTTCAATTAC ATCCTTGCTG ACCATGATGA TCAGGATGTG GTGCTTTTTC ACCGTGGGAT 1500  
 GCTGCCAGCG TACTATGGCA TTCTGAGGCT CTGCTGTGAG CAGTCTCCTG CATTACACAG 1560  
 ACAACTGGCT TCTCACCAGA ACATCCAGTG GGCCTTTAAG AATCTTACAC CACATGCCAG 1620  
 CCAATACCCT GGAGCAGTAG AAGAAGTGT TAACCTGATG CAGCTGTTTA TAGCTCAGAG 1680  
 GCCAGATATG AGAGAAGAAG AATTAGAAGA TATTAACAG TTCAAGAAAA CAACCATAAG 1740  
 TTGTTACTTA CGTTGCTTAG ATGGCCGCTC CTGCTGGACT ACTTTAATAA GTGCCTTCAG 1800  
 AATACTATTA GAATCTGATG AAGACAGACT TCTTGTGTGA TTTAATCGAG GATTGATTCT 1860  
 AATGACAGAG TCTTTCAACA CTTTGCACAT GATGTATCAC GAAGCTACAG CTTGCCATGT 1920  
 GACTGGAGAT TTAGTAGAAC TTCTGTCAAT ATTTCTTTTC GTTTTGAAGT CTACACGCCC 1980  
 TTATCTTCAG AGAAAAGATG TGAACAAGC ATTAATCCAG CCAGAAGTTA GAAATGCCTG 2040  
 TGCCCATAAA CTGTTAACTC TTCTTAATTC CTATAGTCCCT CCAGAAGTTA GAAATGCCTG 2100  
 TATAGATGTC CTCAAGGAAC TTGTACTTTT GAGTCCCAT GATTTTCTTC ATACTCTGGT 2160  
 TCCCTTTCTA CAACACAACC ATGTACTTTA CCATCACAGT AATATACCAA TGTCTCTTGG 2220  
 ACCTTATTTT COTTGTGAG AAAATATCAA GCTAATAGGA GGGAAAAGCA ATATTGGGCC 2280  
 TCCGCGCCCT GAACTCAATA TGTGCTCTT GCCACAATG GTGGAAACCA GTAAGGGCAA 2340  
 AGATGACGTT TATGATCGTA TGCTGCTAGA CTACTCTTTT TCTTATCATC AGTTTATCCA 2400  
 TCTATTATGC CGAGTTGCAA TCAACTGTGA AAAATTTACT GAAACATTAG TTAAGCTGAG 2460  
 TGTCTAGTT GCCTATGAAG GTTTGCCACT TCATCTTGCA CTGTTCCCA AACTTTGGAC 2520  
 TGAGCTATGC CAGACTCAGT CTGCTATGTC AAAAAACTGC ATCAAGCTTT TGTGTGAAGA 2580  
 TCCTGTTTTT GCAGAAATA TAAATGTAT CCTAATGGAT GAAAGAAGTT TTTTAAACAA 2640

53

CAACATTGTC TACACGTTCA TGACACATTT COTTCTAAAG GTTCAAAGTC AAGTGTTTTT 2700  
 TGAAGCAAAC TGTGCCAATT TGATCAGCAC TCTTATTACA AACTTGATAA GCCAGTATCA 2760  
 GAACCTACAG TCTGATTTCT CCAACCGAGT TGAATTTTCC AAAGCAAAGT CTTCTTTTAA 2820  
 TGGGGACCTG AGGGCACTCG CTTTGCTCCT GTCACTACAC ACTCCCAAAC AGTTAAACCC 2880  
 AGCTCTAATT CCAACTCTGC AAGAGCTTTT AAGCAAATGC AGGACTTGTC TGCAACAGAG 2940  
 AAACCTACTC CAAGAGCAAG AAGCCAAAGA AAGAAAAACT AAAGATGATG AAGGAGCAAC 3000  
 TCCCATTAAA AGGCGGCGTG ITAGCAGTGA TGAGGAGCAC ACTGTAGACA GCTGCATCAG 3060  
 TGACATGAAA ACAGAAACCA GGGAGGTCCT GACCCCAACG AGCACTTCTG ACAATGAGAC 3120  
 CAGAGACTCC TCAATTATTG ATCCAGGAAC TGAGCAAGAT CTTCCTTCCC CTGAAAATAG 3180  
 TTCTGTTAAA GAATACCGAA TGGAGTTTCC ATCTTCGTTT TCAGAAGACA TGTCAAATAT 3240  
 CAGGTCACAG CATGCAGAAG AACAGTCCAA CAATGGTAGA TATGACGATT GTAAAGAATT 3300  
 TAAAGACCTC CACTGTTCCA AGGATTCTAC CCTAGCTGAG GAAGAATCTG AGTTCCCTTC 3360  
 TACTTCTATC TCTGCAGTTC TGTCTGACTT AGCTGACTTG AGAAGCTGTG ATGGCCAAGC 3420  
 TTTGCCCTCC CAGGACCTTG AGGTGCTTTT ATCTCTCAGT TGTGGCCATT CCAGAGGACT 3480  
 CTTTAGTCAT ATGCAGCAAC ATGACATTTT AGATACCCTG TGTAGGACCA TTGAATCTAC 3540  
 AATCCATGTC GTCACAAGGA TATCTGGCAA AGGAAACCAA GCTGCTTCTT GACATTAGGT 3600  
 GTAGCATGTC TACTTTTAAAG TCCCTCACCC CCAACCCCCA TGCTGTTTGT ATAAGTTTTG 3660  
 CTTAITTGTT TTTGTGCTTC AGTTTGTCCA GTGCTCTCTG CTTGAATGGC AAGATAGATT 3720  
 TATAGGCTTA ATTCTTGGTC AGGCAGAACT CCAGATGAAA AAAACTTGCA TCTTCAGTAT 3780  
 ACTTCCTAAA GGGCAATCAG ATAATGGATA TGTTTTATGT AATTAAGAGT TCACITTAGT 3840  
 GGCTTTTATT TAATAIGGCT GTCTGGGAAG AACAGGGTTG CCTAGCCCTG TACAATGTAA 3900  
 TTTAAACTTA CAGCATTTTT ACTGTGTATG ATATGGTGTG CTCTGTGCCA GTTTTGTACC 3960  
 TTATAGAGGC AGATTGCCTC CGATCGCTGT GGTTCCTTAT ATCAAAATTA AGTTTACTTG 4020  
 TATACGGAAC AACCACAAGA AATTTGATTC TGTAAAGAA CTCTCTTAGC TGTGGCCTGG 4080  
 CAGTATATAA ATGGTGCTTT ATTTAACAGA ATACCTGTGG AGGAAATAAA GCACACTTGA 4140  
 TGT 4143

Name: 269 Len: 1605 Check: 1799  
 AATGCCGAGA GGATGGAGAG CATCCTGCAG GCACTGGAGG ATATTGAGCT GGATCTGGAG 60  
 GCAGTGAACA TCAAGGCAGG CAAAGCCCTC CTGCGTCTCA AGCGCAAGTT CATCCAGATG 120  
 CGAAGACCCT TCCTGGAGCG CAGAGACCTC ATCATCCAGC ATATCCCAGG CTTCTGGGTC 180  
 AAAGCATTTCC TCAACCACCC CAGAATTTCA ATTTTGATCA ACCGACGTGA TGAAGACATT 240  
 TTCCGCTACT TGACCAATCT GCAGGTACAG GATCTCAGAC ATATCTCCAT GGGCTACAAA 300  
 ATGAAGCTGT ACTTCCAGAC TAACCCCTAC TTCACAAACA TGGTGATTGT CAAGGAGTTC 360  
 CAGCGCAACC GCTCAGGCCG GCTGGTGTCT CACTCAACCC CAATCCGCTG GCACCGGGGC 420  
 CAGGAACCCC AGGCCCGTGC TCACGGGAAC CAGGATGCGA GCCACAGCTT TTTAGCTGG 480  
 TTCTCAAACC ATAGCCTCCC AGAGGCTGAC AGGATTGCTG AGATTATCAA GAATGATCTG 540  
 TGGGTAAACC CTCTACGCTA CTACCTGAGA GAAAGGGGCT CCAGGATAAA GAGAAAGAAG 600  
 CAAGAAATGA AGAAACGTAA AACCAGGGGC AGATGTGAGG TGGTGATCAT GGAAGACGCC 660  
 CCTGACTATT ATGCAGTGA AGACATTTTC AGCGAGATCT CAGACATTGA TGAGACAATT 720  
 CATGACATCA AGATCTCTGA CTTTATGGAG ACCACCGACT ACTTCGAGAC CACTGACAAT 780  
 GAGATAACTG ACATCAATGA GAACATCTGC GACAGCGAGA ATCCTGACCA CAATGAGGTC 840  
 CCCAACCAAC AGACCACTGA TAACAACGAG AGTGCTGATG ACCACGAAAC CACTGACAAC 900  
 AATGAGAGTG CAGATGACAA CAACGAGAAT CCTGAAGACA ATACAAAGAA CACTGATGAC 960  
 AACGAAGAGA ACCCTAACAA CAACGAGAAC ACTTACGGCA ACAACTTCTT CAAAGGTGGC 1020  
 TTCTGGGGCA GCCATGGCAA CAACAGGAC AGCAGCGACA GTGACAATGA AGCAGATGAG 1080  
 GCCAGTGATG ATGAAGATAA TGATGGCAAC GAAGGTGACA ATGAGGGCAG TGATGATGAT 1140  
 GGCAATGAAG GTGACAATGA AGGCAGCGAT GATGACGACA GAGACATTGA GTACTATGAG 1200  
 AAAGGTATTG AAGACTTTGA CAGGGATCAG GCTGACTACG AGGACGTGAT AGAGATCATC 1260  
 TCAGACGAAT CAGTGGAGA AGAGGGCATT GAGGAAGGCA TCCAGCAAGA AGGGGAAGAT 1320  
 TATGAGGAAG GAAACTATGA GGAGGAAGGA AGTGAAGATG TCTGGGAAGA AGGGGAAGAT 1380  
 TCGGACGACT CTGACCTAGA GGATGTGCTT CAGGTCCCAA ACGGTTGGGC CAATCCGGGG 1440  
 AAGAGGGGGA AAACCGGATA AGGGTTTTCC CTTTGGGG ATCACCTCTC TGTATCCCCC 1500  
 ACCCACTATC CCATTTGCCC TCCTCCTCAG CTAGGGCCAC GCGGACCCAC ATTGCACTTC 1560  
 TGGGGGGTGA CCGACTTCGT ACACGGGTTT AAAGTTTATT TTTT 1605

Name: 27 Len: 421 Check: F84  
 AACGAAAAGA ATGGGAATGA CAGTAACAAA CAAGATTTCC CCACTGGATA TTGCGATGGG 60  
 ACTGCAGCAG TCTTATCTTT GAAATTGAGA AAGGAACAA CTCTGTTCCA AACAGCTAAA 120  
 TATGCAAGTC CAAAAATGA AGGTATGTTT AACTGCCACA TTCACTCGAA GCCCATTCAT 180  
 CTCCTTCAGC ATCCCAATGA AGTACACGAT CTGCTTAGCT AAATAAGGTG GCACACGCGC 240  
 TGCACCGCTG ACATCACAGG ACAGTTGCGT ATAAAACTAG ACTTCTGACC GCAGGGCTCC 300  
 AGCTTCACTT TCTCACAGCT CATCATCCTC ATCTNNGGAG AGCAGTCGTC TGGAGCAACC 360  
 TCTAAAATCA TGCTCGTACT TGTGCTGGCC AAAGCTGGGG TCCATGACCA CNTCCAGGTG 420  
 421

54

Name: 270 Len: 2483 Check: 1306

GGCCGGAACA	GGCGTTTAGA	GAAAATGGCA	GACGATATTG	ATATTGAAGC	AATGCTTGAG	60
GCTCCTTACA	AGAAGGATGA	GAACAAGTTG	AGCAGTGCCA	ACGGCCATGA	AGAACGTAGC	120
AAAAAGAGGA	AAAAAAGCAA	GAGCAGAAGT	CGTAGTCATG	AACGAAAGAG	AAGCAAAAGT	130
AAGGAACGGA	AGCGAAGTAG	AGACAGAGAA	AGGAAAAAGA	GCAAAAGCCG	TGAAAGAAAG	240
CGAAGTAGAA	GCAAAGAGAG	GCGACGGAGC	CGCTCAAGAA	GTCGAGATCG	AAGATTTAGA	300
GGCCGCTACA	GAAGTCCTTA	CTCCGGACCA	AAATTTAACA	GTGCCATCCG	AGGAAAGATT	360
GGGTTGCCTC	ATAGCATCAA	ATTAAGCAGA	CGACGTTCCC	GAAGCAAAAG	TCCATTGAGA	420
AAAGACAAGA	GCCCTGTGAG	AGAACCTATT	GATAATTTAA	CTCCTGAGGA	AAGAGATGCA	480
AGGACAGTCT	TCTGTATGCA	GCTGGCGGCA	AGAATTCGAC	CAAGGGATTT	GGAAGAGTTT	540
TTCTCTACAG	TAGGAAAGGT	TCGAGATGTG	AGGATGATTT	CTGACAGAAA	TTCAAGACGT	600
TCCAAAGGAA	TTGCTTATGT	GGAGTTTCGT	GATGTTAGCT	CAGTGCCTCT	AGCAATAGGA	660
TTAACTGGCC	AACGAGTTT	AGGCGTGCCA	ATCATAGTAC	AGGCATCACA	GGCAGAAAAA	720
AACAGAGCTG	CAGCAATGGC	AAACAATTTA	CAAAAGGGAA	GTGCTGGACC	TATGAGGCTT	780
TATGTGGGCT	CATTACACTT	CAACATAACT	GAAGATATGC	TTGCTGGGAT	CTTTGAGCCT	840
TTTGGAAGAA	TTGAAAGTAT	CCAGCTGATG	ATGGACAGTG	AAACTGGTGG	ATCCAAGGGA	900
TATGGATTTA	TTACATTTTC	TGACTCAGAA	TGTGCCAAAA	AGGCTTTGGA	ACAACTTAAT	960
GGATTTGAAC	TAGCAGGAAG	ACCAATGAAA	GTTGGTCATG	TTACTGAACG	TACTGATGCT	1020
TCGAGTGCTA	GTTTCAATTTT	GGACAGTGAT	GAACCTGGAAA	GGACTGGAAT	TGATTTGGGA	1080
ACAACCTGGT	GTCTTCAGTT	AATGGCAAGA	CTTGCAGAGG	GTACAGGTTT	GCAGATTCCG	1140
CCAGCAGCAC	AGCAAGCTCT	ACAGATGAGT	GGCTCTTTGG	CATTTGGTGC	TGTGGCAGAA	1200
TTCTCTTTTG	TTATAGATTT	GCAAACAAGA	CTTTCCAGC	AGACTGAAGC	TTCAGCTTTA	1260
GCTGCAGCTG	CCTCTGTTCA	GCCACTTGCA	ACACAATGTT	TCCAACCTCT	TAACATGTTT	1320
AACCCCTCAA	CAGAAGAAGA	AGTTGGATGG	GATACCGAGA	TTAAGGATGA	TGTGATTGAA	1380
GAATGTAATA	AACATGGAGG	AGTTATTCAT	ATTTATGTTG	ACAAAAATTC	AGCTCAGGGC	1440
AATGTGTATG	TGAAGTGCCC	ATCAATTGCT	GCAGCTATTG	CTGCTGTCAA	TGCATTGCAT	1500
GGCAGGTGGT	TTGCTGGTAA	AATGATAACA	GCAGCATATG	TACCTCTTCC	AACTTACCAC	1560
AACCTGTTTC	CTGATTCTAT	GACAGCAACA	CAGCTACTGG	TTCCPAAGTAG	ACGATGAAGG	1620
AAGATATAGT	CCCTTATGTA	TATAGCTTTT	TTTCTTTCTT	GAGAAATTCAT	CTTGAGTTAT	1680
CTTTTATTTA	GATAAAAAA	AAGAGGCAAG	GATCTACTGT	CATTTGTATG	CAATTTCTCT	1740
TTACCTTGAA	AAAAATAAAA	TGTTAACAGG	AATGCAGTGT	GCTCATTCTC	CCTAAATAGT	1800
AAATCCCAGT	GTATACAAAA	CTGTTCTCTT	GTTCTGCCTT	TTAAATGTTT	CATGTAGAAA	1860
ATTAATGAAC	TATAGGAATA	GCTCTAGGAG	AACAAAATGT	CTTTCTGTAA	AAAGGCAGAC	1920
CAGGGATGTA	ATGTTTTTAA	TGTTTCAGAA	GCCTAACTTT	TTACACAGTG	GTTACATTTT	1980
ACATTTCACT	AATGTTGATA	TTTGGCTGAT	GGTTGAGCAG	TTTCTGAAAT	ACACATTTAG	2040
TGTATGGAAA	TACAAGACAG	CTAAAGGGCT	GTTTGGTTAG	CATCTCATCT	TGCATTCTGA	2100
TCAATTGGCA	AGAAAGGGAG	ATTTCAAAAT	TATATTTCTT	GATGGTATCT	TTTCAATTAA	2160
TGTATCTGTA	AAAGTTTCTT	TGTAAATACT	ATGTGTTCTG	GTGTGTCTTA	AAATTTCCAA	2220
CAAAATGATC	CCTGCATTTT	CTGAAGATGT	TTAAACGTGA	GAGTCTGGTA	GGCAAAGCAG	2280
TCTGAGAAAG	AAATAGGAAA	TGCAGAAATA	GGTTTTGTCT	GGTTGCATAT	AATCTTTGCT	2340
CTTTTTAAGC	TCTGTGAGCT	CTGAAATATA	TTTTTGGGTT	ACTTCAGTGT	GTTTGACAAG	2400
ACAGCTTGAT	ATTTCTATCA	AACAAATGAC	TTTCATATTG	CAACAATCTT	TGTAAGAACC	2460
ACTCAAATAA	AAGTCTCTTA	AAAAGGCC				2488

Name: 271 Len: 1769 Check: 153D

GCTTTCACCC	ATTAGCATT	CTTACGTAGA	TAATTTCTTT	TGCCTAGTTA	TTATACATAT	60
TAATTTTTAA	GGTATACATT	TAAATTACAC	AATTTGTTCT	TGTGGTTTTG	ATCCCAGAA	120
GGTTGTGTT	TTTTAAAGAA	TGCATAATAG	CTGAATGTAT	GCATGACTTT	GAAAGAAGTT	180
AAAATGGTGA	TTTTTTTTCA	CCTCTGTGAC	ATTTTAAAA	CAGGCCAAAT	CTATTTGCCA	240
AGCAGTGTAT	CACTAATAAG	AAAAGCAGTT	TTTCCTTTTA	TTGCAGTTTT	TGTTTATCTG	300
CCATAGAATT	TCCTTATACT	GTGGCTTGGT	ATTATTCAAG	ATTAGCTATT	TCGCTGGTAT	360
TACATCTTTT	TAAAAGCCTA	TTATAACATG	GTTAGCCTAT	AAGGCAGTGT	TGGTCCCTTT	420
CTAATATTGG	CCTCATAAAG	GGGTTCCACT	GTACTTTCCG	CATATTACTG	TGTTGTTGTT	480
TTCTTTTGTG	GATATATAAG	CAAATTGAGC	TTGGGTGATT	TTTATGGAGA	CAATAATTAG	540
ACAATACTGT	ATAATTAGTT	TTACTTAATA	GATTATCATC	TTGTGAGAAG	AGATGTTTTAA	600
ACGTGGTAA	TCACCTTCATA	TTACAAAACA	GTTTTACACT	TAATATGTTA	ACATTGGGTG	660
CAATAATTTA	GTAGCATTAG	CTTTAGTTAC	AAATATAACT	GGATCTTTCT	GCTGACAAC	720
TAGGTTGTAT	GAGTTATGCT	TAAAAGCTTT	AAATCTGATG	TTTCCTGTAC	CTGCCACACT	780
ATGTTAGAAT	GTGTCCTTCA	AACATATCCT	CCTGCAACTT	CTCAAACGTG	ACTAAATTGA	840
TATTTCTTGA	AGTCTAACTC	TGTGCTAACA	GATCTCCATT	TTAAATAGAA	TACGGTTTTTA	900
ATTTTGTGTA	AGCTGCTGAA	TTTTAAAGAG	AGTTTTTTGG	GGCCACCAAA	TATTTTGGAT	960
CATGCAGAGA	ATATATATTG	TACTGTAGTA	ATTTGTATT	TACATTTGTA	TGATGTGACA	1020
TAATAGATGT	GAATGTTAAT	CACTGCTTGA	CTATGTTAAT	AAAGTTGTTT	AACTATAAAA	1080
AAAAAAAAAA	ACCCACGCGT	CCTTCAGATC	AATCCATCTA	TGCAAAATTA	TGGGGAAAAA	1140

55

TTGTTTTTTTA	AATTAAATTT	CCAATACCCA	AGCCCTAAAA	TTGATGGATG	TGACCCAGG	1200
TGTTCCCTT	ACCTCTTGGC	CCCCAAAAC	AGGGACAGAC	ATAGATGGTG	GGCTGGAACA	1260
CCCTCACCT	CCTGTATTCC	CAGAAAGCCT	CGCGTTGAGG	TGTGTTGSCC	AGCTCCCTAG	1320
TTTGTGCTTA	CTATACCTGG	CCACGCCTCC	CTACCTAAGG	CCGCTGGCTT	AACCTAGGG	1380
GCAGGCAGTG	TTAGATCAGA	CCCAGACCTT	CTCATCCAC	CCTCATCACA	TCCGGGAGAG	1440
GGGACTCCAG	GGGCGGGAAG	GCAGGCGTCC	CTCCATTTGG	CCAGGGTGGG	CSGGAGGAG	1500
GGGGTCACTC	TGCAGGAACA	CTGAGCTCTG	AACACCTCTC	GCCTGCTGCC	TGCTCACAC	1560
CCTCTGCATT	CGCTGTTTCC	TCTGTGGGG	GAGGGGGTTT	GTGAGGGGAA	TATTAGATTA	1620
CACCTTGTC	TTTGGAAAGC	CCCCTGTCTC	CGGCGGCCAC	AGCGAGGTTG	GGGGGGTGGT	1680
GAGGGAAGTC	CATGGATTGG	CCAGAACTGG	GGGAAAAACA	AAAAGAAATG	AGAGAAAGAG	1740
AGAGCGGGTA	CCAAAAAAA					1769

Name: 272 Len: 5541 Check: 3F4

GTCCAGAGTG	GCAGTAAAGG	AGGAAGATGG	CGGGGTGCAG	GGGGTCTCTG	TGCTGCTGCT	60
GCAGGTGGTG	CTGCTGCTGC	GGTGAGCGTG	AGACCCGCAC	CCCCGAGGAG	CTGACCATCC	120
TTGGAGAAAC	ACAGGAGGAG	GAGGATGAGA	TTCTTCCAAG	GAAAGACTAT	GAGAGTTTGG	180
ATTATGATCG	CTGTATCAAT	GACCCCTTACC	TGGAAGTTTT	GGAGACCATG	GATAATAAGA	240
AAGGTGGAAG	ATATGAGGCG	GTGAAGTGA	TGGTGGTGT	TGCCATTGGA	GTCTGCACTG	300
GCCTGGTGGG	TCTCTTTGTG	GACTTTTTTG	TGCGACTCTT	CACCCAACTC	AAGTTCGGAG	360
TGGTACAGAC	ATCGSTGGAG	GAGTGCAGCC	AGAAAGGCTG	CCTCGCTCTG	TCCTCTCTTG	420
AACTCCTGGG	TTTTAACCTC	ACCTTTGTCT	TCCTGGCAAG	CCTCCTTGT	CTCATTGAGC	480
CGGTGGCAGC	AGGTTCCGGG	ATACCCGAGG	TCAAATGCTA	TCTGAATGGC	GTAAAGGTGC	540
CAGGAATCGT	CCGTCTCCGG	ACCCTGCTCT	GCAAGGTCTT	TGGAGTGCTG	TTCASTGTGG	600
CTGGAGGGCT	CTTCGTGGGG	AAGGAAGECC	CCATGATCCA	CAGTGGTTCG	GTGGTGGGAG	660
CTGGCCTCCC	TCAGTTTCAG	AGCATCTCCT	TACGGAAGAT	CCAGTTTAAC	TTCCCTATT	720
TCCGAAGCGA	CAGAGACAAG	AGAGACTTTG	TATCASCAGG	AGCGGCTGCT	GGAGTTGCTG	780
CAGCTTTCCG	GGCGCCAATC	GGGGGTACCT	TGTTCACTCT	AGAGGAGGGT	TGCTCCTTCT	840
GGAACCAAGG	GCTCACGTGG	AAAGTGCTCT	TTTGTTCAT	GTCTGCCACC	TTACCCCTCA	900
ACTTCTTCCG	TTCTGGGATT	CAGTTTGGAA	GCTGGGGTTC	CTTCCAGCTC	CCTGGATTGC	960
TGAACTTTGG	CGAGTTTAAAG	TGCTCTGACT	CTGATAAAAA	ATGTCATCTC	TGGACAGCTA	1020
TGGATTTGGG	TTTCTTCGTC	GTGATGGGGG	TCATTGGGGG	CCTCCTGGGA	GCCACATTCA	1080
ACTGTCTGAA	CAAGAGGCTT	GCAAAGTACC	GTATGCGAAA	CGTGCACCCG	AAACCTAAGC	1140
TCGTACAGAT	CTTAGAGAGC	CTCCTTGCTG	CTCTGGTAAC	CACCGTGGTG	GTGTTTGTGG	1200
CCTCGATGGT	GTTAGGAGAA	TGCCGACAGA	TGTCCTCTTC	GAGTCAAATC	GGTAATGACT	1260
CATTCCAGCT	CCAGGTACACA	GAAGATGTGA	ATTCAAGTAT	CAAGACATTT	TTTTGTCCCA	1320
ATGATACCTA	CAATGACATG	GCCACACTCT	TCTTCAACCC	GCAGGAGTCT	GCCATCCTCC	1380
AGCTCTTCCA	CCAGGATGGT	ACTTTTCAGCC	CCGTCACTCT	GGCCTTGTTT	TTCTGTTCTT	1440
ATTTCTTGCT	TGCATGTTGG	ACTTACGGCA	TTTCTGTTCC	AAGTGGCCTT	TTTGTGCCTT	1500
CTCTGCTGTG	TGGAGCTGCT	TTTGGACSTT	TAGTTGCCAA	TGTCCTAAAA	AGCTACATTG	1560
GATTGGGCCA	CATCTATTTC	GGGACCTTTG	CCCTGATTGG	TGCAGCGGCT	TTCTTGGGCG	1620
GGGTGGTCCG	CATGACCATC	AGCCTCACGG	TCATCCTGAT	CGAGTCCACC	AATGAGATCA	1680
GGTACGGGCT	CCCCATCATG	GTCACACTGA	TGGTGGSCAA	ATGGACAGGG	GACTTTTTTCA	1740
ATAAGGGCAT	TTATGATATC	CACGTGGGCC	TGCGAGGCGT	GCGCTTCTG	GAATGGGAGA	1800
CAGAGGTGGA	AATGGACAAG	CTGAGAGCCA	GCGACATCAT	GGAGCCCAAC	CTGACCTACG	1860
TCTACCCGCA	CACCCGCATC	CAGTCTCTGG	TEAGCATCCT	GCGCACCACG	GTCCACCATG	1920
CCTTCCCGGT	GGTCACAGAG	AAACCGCGGT	ACGAGAAGGA	GTTCATGAAG	GGCAACCAGC	1980
TCATCAGCAA	CAACATCAAG	TTCAAGAAAT	CCAGCATCCT	CACCCGGGCT	GGCGAGCAGC	2040
GCAAACGGAG	CCAGTCCATG	AAGTCCTACC	CATCCAGCGA	GCTACGGAAC	ATGTGTGATG	2100
AGCACATCGC	CTCTGAGGAG	CCAGCCGAGA	AGGAGGACCT	CCTGCAGCAG	ATGCTGGAAA	2160
GGAGATACAC	TCCCTACCCC	AACTTATACC	CTGACCAGTC	CCCAAGTGAA	GACTGGACCA	2220
TGGAGGAGCG	GTTCCGCCCT	CTGACCTTCC	ACGGCCTGAT	CCTTCGGTCC	CAGCTTGTCA	2280
CCCTGCTTGT	CCGAGGAGTT	TGTTACTCTG	AAAGCCAGTC	GAGCGCCAGC	CAGCCGCGCC	2340
TCTCTATGTC	CGAGATGGCC	GAGGACTACC	CGCGGTACCC	CGACATCCAC	GACCTGGACC	2400
TGACGCTGCT	CAACCCGCGC	ATGATCSTGG	ATGTCACCCC	ATACATGAAC	CCTTCGCTTT	2460
TGACCGTCTC	GCCCCAACCC	CACGTCTCCC	AAGTCTTCAA	CCTGTTTCTG	ACGATGGGCC	2520
TGCGCCACCT	GCCCCGTGGT	AACGCTGTGG	GAGAGATCGT	GGGGATCATC	ACACGGCACA	2580
ACCTCACCTA	TGAATTTCTG	CAGGCCCGGG	TGAGGCAGCA	CTACCAGACC	ATCTGACAGC	2640
CCAGCCCAAC	CTCTCCTGGT	GCTGCTGGG	GAGGCAAAATC	ATGCTCACTC	CGGCGGGCAC	2700
AGCTGGGCTGG	GGCTGTTCCG	GGGCATGGAA	GATTCCCACT	TACCCACTCA	CTCAGAAAGC	2760
CGGGAGTCAT	CGGACACCTT	GCTGGTCAGA	GGCCCTGGGG	GTGGTTTTGA	ACCATCAGAG	2820
CTTGGAATTT	TCTGACTTCC	CCAGCAAGGA	TCTTCCCACT	TCTGCTCCC	TGTGTTCCCA	2880
CCCTCCAGTG	TTGGCACAGG	CCCACCCCTG	GCTCCACCAG	AGCCAGAAGC	AGAGGTAGAA	2940
TCAGGCGGGC	CCCGGGCTGC	ACTCCGAGCA	GTGTTCCCTG	CCATCTTTGC	TACTTTCTTA	3000
GAGAACCCGG	CTGTTGCCTT	AAATGTGTGA	GAGGGACTTG	GCCAAGGCAA	AAGCTGGGGA	3060



56

GATGCCAGTG	ACAACATACA	GTTCACTACT	AGGTTTAGGA	ATTGGGCACT	GAGAAAATTC	3120
TCAATATTTT	AGAGAGTCCT	TCCCTTATTT	GGGACTCCTA	ACACGGTATC	CTCGCTAGTT	3180
TGTTTTAAGG	GAAACACTCT	GCTCCTGGGT	GTGAGCAGAG	GCTCTGGTCT	TGCCCTGTGG	3240
TTTGACTCTC	CTTAGAACCA	CCGCCCCACCA	GAAACATAAA	GGATTAAAAAT	CACACTAATA	3300
ACCCCTGGAT	GGTCAATCTG	ATAAATAGGAT	CAGATTTACG	TCTACCCCTAA	TTCTTAACAT	3360
TGCAGCTTTT	TCTCCATCTG	CAGATTATTC	CCAGTCTCCC	AGTAACACGT	TTCTACCCAG	3420
ATCCTTTTTC	ATTTCTTTAA	GTTTTGATCT	CCGTCTTCCT	GATGAAGCAG	GCAGAGCTCA	3480
GAGGATCTTG	GCATCACCCA	CCAAAGTTAG	CTGAAAGCAG	GGCACTCCTG	GATAAAGCAG	3540
CTTCACTCAA	CTCTGGGGAA	TGCTACCAAT	TTTTTTTCAA	AGTAGAAAGG	AAGCACTTCT	3600
GAGCCAGTGA	CCACTGAAAG	GTATGTGCTA	TGATAAAGCA	GATGGCCTAT	TTGAGGAAGA	3660
GGGTGTCTGC	CCTTCACAAA	CACCTCTCTC	TCCCTCTGCAC	TAGCTGTCCC	AAGCTTACAT	3720
ACAGAGGCCC	TTCAGGAGGG	CCTCCTGTGC	CGCAGGGAGG	GTGCGTGGGG	AAGATGCTTC	3780
CTGCCAGCAC	GTGCCTGAAG	GTTCACATG	AAGCATGGGA	AGCGCACCCCT	GTGCTTCAGT	3840
GACGTCAATC	TTCTCCAGGC	TGGCCCGCCC	CCTCTGACTA	GGCACCCAAA	GTGAGCATCT	3900
GGGCATTGGG	CATTCTATGCT	TATCTTCCCC	CACCTTCTAC	ATGGTATCAG	TCCCAGCAGG	3960
CATCCCTGGG	GCAGACGTGC	TTTGGCTCAA	GATGGCCTTC	ATTTACGTTT	AGTTTTTTTT	4020
AAAACCGTGG	AGGTTGCCCA	CGGGCCTCGG	CACCTGGCCC	TGGCAGCACA	GCTCTCAGGC	4080
CCAGCCCTGG	GCGACCTCCT	TGGCCAAAGTC	TGCCTTTTAC	CCTGGGGTGA	GCATCACTCC	4140
TGGCTCTGCT	GGTCCAGATC	TGCGGCTCAG	CACACTCTAG	GGAATAAATC	CACTCCAGAG	4200
ATGGGGCTGC	TTCAAGGTCT	TTTCTAGCTG	ATTGTGGCCC	CTCCATTTTC	CCCATTCTCT	4260
TATCTCCCTG	ACCAAAAATG	CTTTGACTTC	TAAATGTTTC	TGCTTCCCGA	AATGCACCTG	4320
ACTTATGAAA	TGGGGATAAT	ACTCCAGGA	AATAGCGCAG	GACATCACAA	GGACCAAAAA	4380
GGCAATCTTT	ATTTAAATGT	TACTATTGGG	CCAGCTGCTG	CTGTGTTTTA	TGGCAGTGTT	4440
CAGAGCTTGA	TCACGTTATT	TCTTCTTTTT	ATTAAGAAGG	AAGCCAATTG	TCCAAGTCAG	4500
GAGAATGGTG	TGATCACCTG	TCACAGACAC	TTTGTCCCTT	CTCCCCGCCC	CTTCTCTGGG	4560
CTGGCAGAGC	TAACGCCCTG	CAGGAGGACC	CCGGCCTCTC	GAGGGCTGGA	TCAGCAGCCG	4620
CCTGCCCTGA	GGCTGCCCCG	GTGAATGTTA	TTGGAATTCA	TCCCTCGTGC	ACATCCTGTT	4680
GTGTTTTAAGT	CACCAGATAT	TTTGTTCCCA	TCAGTTTAGC	CCAGAGATAG	ACAGTAGAAT	4740
GCAAATACCT	CCCTCCCCCTA	AACTGACTGG	ACGGCTGCCA	AGGAGGCCCC	AAACCCAGGC	4800
CCCATGCAAA	GGCACSTGGT	TTCTTTTTCT	CCTCTCTCTG	CATCTGCGCT	TTCCAGATAA	4860
GCCCCAAGAC	AGCAACTTCT	CCACTCATGA	CAAATCAACT	GTGACCCCTG	CTCCTTCCAT	4920
TTCTGTCCAT	TAGAAACAG	CCTTTTCAGC	ATCTCACCCA	TTAGCAGCCC	CATCACCCAG	4980
TGATCAGTCG	CCTCAGTAAA	GCAGATCTGT	GGATGGGGAG	CCTACGGGTG	GTAAGAAGTG	5040
GTGTTTTGTG	TTTCATCTCC	AGCTTGSTGT	TCCATGGCCC	CTAGGCGAGG	TGATCAGGGA	5100
GTGGGGCCAA	TGGGCCCCCG	GCCCTGGCTT	TGGGACCTTG	TGCTGAGGGA	TGATTGTCTC	5160
CTGACCTTGA	TTAACTTAAC	AGTTCCCGAG	TGGAAGGGAC	ACTTTTCAGG	CCCAGTCCAC	5220
TGTATGGCAT	TTGTGATGCA	GAATTATGCA	CTGACATGAC	CCTGGGTGAC	AGGAAAGCCT	5280
TTGAGAGGGC	CCAAGGTGGC	CTCGCCAGCC	CTGCAGTATT	GATGTGCAGT	ATTGCACCAC	5340
AGCTCTGCGG	ACCTTGCGCA	TTGCCGAGT	CGCAGCTTCC	TTTTTTCTGT	TTGCACTGTT	5400
TGTTTGTAIG	ATGTTAGCTA	ATTCCACTGT	GTATATAAAT	TGTATTTTTT	TTAATTTGTA	5460
AAATGCTATT	TTTATTTGAA	CCTTTGGAAC	TTGGGAGTTC	TCATTGTAAC	CCTAACATGT	5520
GAGAAATAAAA	TGTCTTCTGT	C				5541

Name: 273

Len: 5047 Check:

251C

CCGTTGCTGT	CGCCSTTGCT	GTGCGGGGCG	CTGTGCGCTG	AGGAAGGCGC	GGGCGAGCCG	60
GAGCAGAAGA	AGGAGGGAGG	GAGCCAGCCG	CTGCAGCCAC	CACCGCCACC	ATGTCCTACC	120
AAGGCAAGAA	GAACATCCCG	CGGATCACGA	GTGACCGTCT	CCTTATCAAG	GGAGGCAGAA	180
TCGTCAATGA	TGATCAGTCC	TTTTATGCTG	ATATTTACAT	GGAAGATGGC	TTAATAAAAC	240
AAATTGGAGA	CAATCTGATT	GTTCCITGGAG	GAGTGAAGAC	CATTGAAGCC	AATGGGAAGA	300
TGGTGATCCC	TGGAGGCATC	GATGTCCATA	CTCACTTCCA	GATGCCATAT	AAGGGAATGA	360
CCACAGTAGA	TGACTTCTTC	CAAGGGACAA	AGGCGGCCCT	AGCAGGTGGC	ACCACCATGA	420
TCATTGACCA	TGTGGTGCCT	GAGCCTGAGT	CCAGCCTGAC	TGAGGCCTAT	GAGAAATGGA	480
GAGAGTGGGC	TGATGGGAAG	AGTTGCTGTG	ACTATGCCCT	GCATGTGGAC	ATCACCCACT	540
GGAAATGACAG	CGTCAAGCAG	GAAGTGCAGA	ACCTCATCAA	GGACAAAGGG	GTAACTCCT	600
TCATGGTTTTA	TATGGCTTAT	AAGGATTTGT	ATCAAGTATC	TAACACAGAG	CTCTATGAGA	660
TCTTACCTG	CCTGGGAGAG	CTGGGGGCCA	TTGCTCAAGT	TCATGCTGAG	AATGGGGATA	720
TCATTGCCCA	GGAGCAAACC	CGCATGTTGG	AAATGGGGAT	AACTGGCCCA	GAAGGCCATG	780
TACTGAGCAG	GCCAGAAAG	CTGGAAGCTG	AGGCTGTGTT	CCGTGCCATC	ACCATTGCCA	840
GCCAAACCAA	TTGCCCTCTC	TACGTACCAA	AGGTCATGAG	CAAGAGTGCA	GCTGACCTCA	900
TCTCACAAGC	CAGGAAAAAA	GGAAATGTAG	TCTTTGGTGA	GCCCATCACT	GCCAGCCTCG	960
GCATAGATGG	AACCCATTAT	TGGAGCAAGA	ACTGGGCCAA	GGCGGCTGCA	TTTGTGACAT	1020
CCCCACCCCT	GAGCCCTGAC	CCAACTACTC	CGGACTACAT	CAACTCCTTG	CTGGCCAGCG	1080
GGGATCTGCA	GCTATCTGGG	AGTGCCCACT	GCACCTTCAG	CACTGCCCCAG	AAAGCAATTG	1140
GGAAGGACAA	CTTCACAGCC	ATTCTGAGG	GCACCAATGG	TGTGGAGGAG	CGGATGTCTG	1200



57

TCATCTGGGA	CAAGGCTGTG	GCCACAGGGA	AAATGGACGA	AAACCAGTTC	GTGGCTGTGA	1260
CAAGCACAAA	CGCTGCCAAG	ATCTTCAACC	TGTATCCCCG	CAAGGGAAGA	ATATCTGTGG	1320
GTTCTGACAG	CGACCTCGTC	ATCTGGGATC	CAGATGCTGT	GAAGATCGTC	TCTGCCAAGA	1380
ACCACCAAGT	TGCGGCAGAG	TACAACATCT	TTGAAGGGAT	GGAGCTGCGC	GGGGCTCCTC	1440
TGGTTGTCTAT	CTGCCAGGGC	AAGATCATGC	TGGAAGATGG	CAACCTGCAC	GTGACCCAGG	1500
GGGCTGGCCG	CTTCATACCC	TGCAGCCCGT	TCTCCGACTA	TGTCTACAAG	CGCATTAAAG	1560
CACGGAGGAA	GATGGCAGAC	CTGCATGCCG	TCCCAAGGGG	CATGTACGAT	GGGCTGTGT	1620
TTGACCTGAC	CACCACCCCC	AAAGGTGGCA	CCCCCGCAGG	CTCTGCTCGG	GGCTCTCCTA	1680
CTCGSCCGAA	CCCACCTGTG	AGGAATCTTC	ATCAGTCGGG	ATTTAGCCTG	TCAGGCACCC	1740
AAATGGATGA	GGGGGTTCGC	TCAGCCAGCA	AGCGCATCGT	GGCCCCCCCC	GGCGGCCGTT	1800
CTAATATCAC	ATCTCTGAGT	TAAGCAAGCC	TTCTCAAAAG	AGAGGGGCAG	AAGCAAGAAG	1860
AGATTGTTTT	GAAGCCAAAA	TGGTACACCG	ATATTTAAGA	AGGAAAGCGA	ATCCAAACGG	1920
TTGTGATCTA	AAGAATCAAT	AAGCCTCAAG	CCTTATGTTT	CTCCAATGTT	ACGCTCGCTT	1980
GCCTAGCTTT	ACGAATATTG	CTTTGTTTTT	TGTTTATGCA	TAGCCTTGAT	TTGTTTGACT	2040
CCCCCTCCCC	CATTTACATG	CATGCAATCA	GACAGGCCAC	TAAGGTAAAA	GAGTCTGCTC	2100
TATCATAGTG	TTGAGAGCGT	GTGTAGTGCT	GCATCTTATG	ACAAGGGGAC	AGACAAGCTG	2160
GGACGTCAGG	GAAATGAACA	AAAGGGACGC	AGGTTATTTG	GGGTGAGTGG	GTGGTGGGAG	2220
CCTGGAGCAA	GGTGGAGGGT	GCAGAGGGGC	TGGGGTAGGG	CATGTAGGAG	GGAGGTGGGT	2280
GGGTCAAGTG	AGTGGAAAGG	GTGTTGTATA	TTGTGTTGAT	GACGTACGTT	ATTTCCATGG	2340
AAGATAGCCG	CTGTGGCAGC	TGTCACATCA	CCACAGCTCC	CTAGGGTCTG	CCGAGAAGGC	2400
AGGCAGTCTT	TGGGTTCTGT	TCTTTGTCTC	GTCCCTTACA	AGTAAATTTT	GTTTCTTTGA	2460
ACGTTTATTA	AAATGCCAAG	ACCCAACCAT	TTCTTCCACC	TGCTTGATTG	TGCCAGTGT	2520
TGCTCAGGCC	TCTTTCTTAG	TGTTGCTTTC	AAATCCTTCT	CTTTCTTGGG	TTGGGAAGGC	2580
CAGGCAGGGA	CAGAGCAAAAT	GACACTTCTC	TTCTCTTTCG	CCTCCCTGCC	TCTTTGGTGC	2640
TCTTAAAGC	CAGCAGCTGA	GAACATAGCA	CAGGCCACAG	TGGTGAGGGC	ACCCACAGCT	2700
TAAAGACGCT	TCCTTCTAAA	CACGGCGAGG	TCACCTCTCA	CTCTTCTGTC	TTTGCAAAACC	2760
GAGAAGAGTG	GCATGCTTCT	GGCATCCCAA	GTGAGGATTT	TAGCTCAGAT	GAGGCAGAAT	2820
GAAGGGCCTC	TCTTACAGGC	AGTTTGTGTT	TGATTCTCTC	GATCCTGGCA	CATCCATGAT	2880
AAATAGGAGT	TTTGAAGAGT	TGGTTTTATT	AGGTGTTCCC	TAATTTTAC	CGTAATAGGT	2940
CATCTCAGCT	TATATGAAAG	TCAAGTGGGG	AACITGGGAA	GCCAAAGTCA	GTCTTGAGCA	3000
GAGGGAGCAC	ATTTTGTGGA	CCTGGTTCCA	CCTTTCCATT	CCAAACCACC	TGTTTCCCCT	3060
TCCATTAGCA	GAAACTCTGG	GGGAACCTTG	TGTCTCAGTC	CTAGAATCTC	CCCAAGTGAG	3120
TGGAAGTGAC	ATGATGCAGT	CTTCCTCATG	GGGCACCTGA	AAGAAATTAG	TGTGGGTGCT	3180
TCGATCTACC	TTGCTGTGCA	GAGTGAATA	TCTCTTTCCC	TATCATGCTG	CTTCTGAAAA	3240
TTTCAATTTG	GAGCAAGTCC	TGTGAGCAAG	ATAAGAATCT	ATAGAACCAC	GATGCTCATT	3300
TTTCAAGAGAA	ATATGTTCAA	CCTGGGATCA	GACTTCCATG	CTCTGGGGAA	TCCAAGTGGT	3360
AGCACCTGTA	ACCCTGTGTA	CTAAGTGCTT	TGAGAGAGAAG	AGCAGGCCTC	AGACACCTTT	3420
TAATTGCTTA	GGAGAAACCA	TTGTCTCTGA	CTGCAGGTTT	GAATAAGTTG	AAGACCAGAG	3480
AAAAGTACAC	ACTGGGCTAC	AAAGGAATTT	GGAGATAGCC	AAGGAACAGG	ATTTCCCCTA	3540
GCAAGCTACC	TTCTGTTCAA	ATCATGAAAA	AAGACTATTT	CCCCCTAGAA	TAGGGAAGCT	3600
TGCTATTTTA	AAGCTCTTGT	AGTGCTTTTC	TTTTAAGGGA	GATGTAGTAA	AAGGGAAAAT	3660
GTAGCTCTTA	GTTTACACTT	CAAAGATGTG	GGGGTCTTTC	AGAGAACTAA	GAATAACAGT	3720
TTTATGTGCA	GAGAGAGTTT	GCCAGATCTG	AAGCATATAC	CTCATTGACT	AGGCTGTTAC	3780
TTTGGGATAG	GTTCAGTAC	CAGCCACAGC	CAGCAGATAG	AGGAAAAGAC	ACACATAAAC	3840
TGCTTCTGTA	GCGTCCACTT	CTGCACTCTC	TGCTCTGCTG	TTACTCAGCC	CCTGAGTCTG	3900
ACTCATCTCT	GCACAACCTC	TCTGTGCCAT	GAAGATAAGT	CTTCCATGGC	CAAATCGGTC	3960
ATCCGCACTG	CCCTTGGGAC	TTCCGAAGTG	AACCATTCCA	CCAGAACCTT	TGATTCTGCA	4020
CAAGATTTCC	TTGCTCTGGG	AACAACCCCC	AAATGCCCTT	GGGAGGAACA	ACATGAGCTC	4080
AGGAAGCCTC	TCTTTCTTCA	CTTACCATTA	CTAACTCTCC	AAGCATAGAA	ATCCCTGGGA	4140
ATTGCGAGAA	TAACCTCCAC	TATTTTAAAA	TTTATATTCA	GATTTGTTTC	GTTTCATAAG	4200
ACACATCAAA	CAGGCCTATA	CAAAAGGTTT	AGGAAAAGAA	AACAATGGTG	AGTCCCGGCC	4260
CTCTTCGAAT	TCACTGGCAC	CTCATGCAAG	TGTAGGAAGG	CACGCTGGAT	CGTCTATCTG	4320
ATTCCAAAGC	TGTCCTTTGC	CATCTCATCC	CTTGGCCTGC	CCCCCAACCC	TGAGGATGCC	4380
CCTGCCATCC	CCCCAACCTC	CTCATATTGC	CTCTGAACCC	AGATGGCAAT	CCATCCCCTG	4440
TCTCTCTGAG	GGCCACGGGC	TTGGGTAGTG	GAPAGGCTGT	TTGGGAAAAT	GTTAAATCAG	4500
TTACCCGTAG	TAGAGCTATT	TCTTGTACTT	CTAAGTITTC	TAGAAGTGGA	AGGATTGTAG	4560
TCATCCTGAA	AATGGGTTTA	CTTCAAAATC	CCTCAGCCTT	GTTCTTCACG	ACTGTCTATA	4620
CTGAGAGTGT	CATGTTTCCA	CAAAGGGCTG	ACACCTGAGC	CTGGATTTTC	ACTCATCCCT	4680
GAGAAGCCCT	TTCCAGTAGG	GTGGGCAATT	CCCAACTTCC	TTGCCACAAG	CTTCCCAGGC	4740
TTTCTCCCCC	GGAAACTCC	AGCTTGAGTC	CCAGATACAC	TCATGGGCTG	CCCTGGGCAG	4800
CCAGCATTCA	TTGTAAGTTC	CCTCTTTGAA	AACTGGGTGT	TGGGTGTTCA	GTTCTGTGTC	4860
TGGTGGGTAT	GGACAGACAG	TAATCTCCTG	TGATCTGTGC	TAGCTGTGAG	GCAGCTCTGG	4920
AACGTGAAGA	GCTGTTTGGT	TTGAACCGTG	AACAAAACCTG	TGTTTTGAGT	TTAGCTGACA	4980

58

TTAAAGAAAA AAGTTCATCA CGTGACTGTT AATGTAAACC TGGTTATTAA AATAACTATG 5040  
AAATTAC 5047  
Name: 274 Len: 1231 Check: 13CE  
GACAAGATGG CCACACCGGC GGTACCAGTA AGTGCTCCTC CGGCCACGCC AACCCAGTC 60  
CCGGCGGCGG CCCCAGCCTC AGTTCAGCG CCAACGCCAG CACCGGCTGC GGCTCCGGTT 120  
CCCGCTGCGG CTCCAGCCTC ATCCTCAGAC CCTGCGGCAG CAGCGGCTGC AACTGCGGCT 180  
CCTGGCCAGA CCCCAGCCTC AGCGCAAGCT CCAGCGCAGA CCCCAGCGCC CGCTCTGCCT 240  
GGTCCTGCTC TTCCAGGCGC CTTCCCGGGC GGCGCGGTGG TCAGGCTGCA CCCAGTCATT 300  
TTGGCCTCCA TTGTGGACAG CTACGAGAGA CGCAACGAGG GTGCTGCCCG AGTTATCGGG 360  
ACCCTGTTGG GAACTGTGCA CAAACACTCA GTGGAGGTCA CCAATTGCTT TTCAGTGCCG 420  
CACAATGAGT CAGAAGATGA AGTGGCTGTT GACATGGAAT TTGCTAAGAA TATGTATGAA 480  
CTGCATAAAA AAGTTTCTCC AAATGAGCTC ATCCTGGGCT GGTACGCTAC GGGCCATGAC 540  
ATCACAGAGC ACTCTGTGCT GATCCATGAG TACTACAGCC GAGAGGCCCC CAACCCCATC 600  
CACCTCACTG TGGACACAAG TCTCCAGAAC GGCGGCATGA GCATCAAAGC CTACGTCAGC 660  
ACTTTAATGG GAGTCCCTGG GAGGACCATG GGAGTGATGT TCACGCCCTCT GACAGTGAAA 720  
TACGCGTACT ACGACACTGA ACGCATCGGA GTTGACCTGA TCATGAAGAC CTGCTTTAGC 780  
CCCAACAGAG TGATTGGACT CTCAAGTGAC TTGCAGCAAG TAGGAGGGGC ATCAGCTCGC 840  
ATCCAGGATG CCGTGAGTAC AGTGTGTCAA TATGCAGAGG ATGTACTGTC TSGAAAGGTG 900  
TCAGCTGACA ATAATGTGGG CCGCTTCCTG ATGAGCCTGG TTAACCAAGT ACCGAAAATA 960  
GTTCCCGATG ACTTTGAGAC CATGCTCAAC ASCAACATCA ATGACCTTTT GATGGTGACC 1020  
TACCTGGCCA ACCTCACACA GTCACAGATT GCACTCAATG AAAAAGTTGT AAACCTGTGA 1080  
ATGGACCCCA AGCAGTACAC TTGCTGGTCT AGGTATTAAC CCCAGGACTC AGAAGTGAAG 1140  
GAGAAATGGG TTTTGTGTGG TCTTGAGTCA CACTGAGATA GTCAGTTGTG TGTGACTCTA 1200  
ATAAACGGAG CCTACCTTTT GTAAAAAAA A 1231  
Name: 275 Len: 9368 Check: 1FA2  
GCGATCCGGG CGCCACCCCG CGGTCACTCG TCACCGGTGG CTCTCAGGAA CAGCAGCGCA 60  
ACCTCTGCTC CCTGCCCTCG CTCCCGCGCG COTAGGTGCC TGCGACTTTA ATTAAAGGGC 120  
CGTCCCTTCG CCGAGGCTGC AGCACCGCCC CCCCAGGCTC TCAGCGCTCA AAATGAGTAG 180  
CTCCCACTCT CGGGCGGGCC AGAGCGCAGC AGGCGCGGCT CCGGCGGGCG GCGTCGACAC 240  
GCGGGACGCC GAGATGCCGG CCACCGAGAA GGACCTGGCG GAGGACGCGC CGTGGAAGAA 300  
GATCCAGCAG AACACTTTCA CGCGCTGGTG CAACGAGCAC CTGAAGTGGC TGAGCAAGCG 360  
CATCGCCAAC CTGCAGACGG ACCTGAGCGA CCGGCTGCGG CTTATCGCGC TGTTGGAGGT 420  
GCTCAGCCAG AAGAAGATGC ACCGCAAGCA CAACGAGCGG CCCACTTTCC GCCAAATGCA 480  
GCTTGAGAAC GTGTCGGTGG CGCTCGAGTT CCTGGACCGC GAGAGCATCA AACTGCTGTC 540  
CATCGACAGC AAGGCCATCG TGGACGGGAA CCTGAAGCTG ATCCTGGGCC TCATCTGGAC 600  
CCTGATCCTG CACTACTCCA TCTCCATGCC CATGTGGGAC GAGGAGGAGG ATGAGGAGGC 660  
CAAGAAGCAG ACCCCCAAGC AGAGGCTCCT GGGCTGGATC CAGAACAAGC TGCCGAGCT 720  
GCCATCACC AACTTCAGCC GGGACTGGCA GAGCGGCCGG GCCCTGGGCG CCGTGGTGGA 780  
CAGCTGTGCC CCGGGCCTGT GTCCTGACTG GGACTCTTGG GACGCCAGCA AGCCCGTTAC 840  
CAATGCGCGA GAGGCCATGC AGCAGGCGGA TGACTGGCTG GGCATCCCCC AGGTGATCAC 900  
CCCCGAGGAG ATTGTGGACC CCAACGTGGA CGAGCACTCT GTCATGACCT ACCTGTCCCA 960  
GTTCCCAAG GCCAAGCTGA AGCCAGGGGC TCCCTTGCGC CCCAACTGA ACCCGAAGAA 1020  
AGCCCGTGCC TACGGGCCAG GCATCGAGCC CACAGGCAAC ATGGTGGAAGA AGCGGGCAGA 1080  
GTTCACTGTG GAGACCAGAA GTGCTGGCCA GGGAGAGGTG CTGGTGTACG TGGAGGACCC 1140  
GGCCGGAGAC CAGGAGGAGG CAAAAGTGAC CGCCAATAAC GACAAGAACC GCACCTTCTC 1200  
CGTCTGGTAC GTCCCCGAGG TGACGGGGAC TCATAAGGTT ACTGTGCTCT TTGCTGGCCA 1260  
GCACATCGCC AAGAGCCCTT TCGAGGTGTA CGTGGATAAG TCACAGGGTG ACGCCAGCAA 1320  
AGTGACAGCC CAAGGTCCCG GCCTGGAGCC CAGTGGCAAC ATCGCCAACA AGACCACCTA 1380  
CTTTGAGATC TTTACGGCAG GAGCTGGCAC GGGCGAGGTC GAGGTTGTGA TCCAGGACCC 1440  
CATGGGACAG AAGGGCACGG TAGAGCCTCA GCTGGAGGCC CCGGGCGACA GCACATACCG 1500  
CTGCAGCTAC CAGCCACCA TGGAGGGCGT CCACACCGTG CACGTCACGT TTGCCGGGCT 1560  
GCCCATCCCT CGCACCCCT ACCTGTGCA GTTGGCCAA GCCTGTAACC CGAGTGCTCT 1620  
CCGGGCGGTT GGCCGCGGCC TCCAGCCCAA GGGTGTGCGG GTGAAGGAGA CAGCTGACTT 1680  
CAAGGTGTAC ACAAGGGGCG CTGGCAGTGG GGAGCTGAAG GTCACCGTGA AGGGCCCCAA 1740  
GGGAGAGGAG CGCGTGAAGC AGAAGGACCT GGGGGATGGC GTGTATGGCT TCGAGTATTA 1800  
CCCCATGGTC CCTGGAACCT ATATCGTCAC CATCACGTGG GGTGGTCAGA ACATCGGGCG 1860  
CAGTCCCTTC GAAGTGAAGG TGGGCACCGA GTGTGGCAAT CAGAAGGTAC GGGCCTGGGG 1920  
CCCTGGGCTG GAGGGCGGCG TCGTTGGCAA GTCAGCAGAC TTTGTGGTGG AGGCTATCGG 1980  
GGACGACGTG GGCACGCTGG GCTTCTCGGT GGAAGGGCCA TCGCAGGCTA AGATCGAATG 2040  
TGACGACAAG GGCGACGGCT CCTGTGATGT GCGCTACTGG CCGCAGGAGG CTGGCGAGTA 2100  
TGCCGTTTAC GTGCTGTGCA ACAGCGAAGA CATCCGCTC AGCCCTTCA TGGCTGACAT 2160  
CCGTGACGCG CCCCAGGACT TCCACCCAGA CAGGGTGAAG GCACGTGGGC CTGGATTGGA 2220  
GAAGACAGGT GTGGCCCTCA ACAAGCCAGC AGAGTTTACA GTGGATGCCA AGCACGGTGG 2280

59

CAAGGCCCCA	CTTCGGGTCC	AAGTCCAGGA	CAATGAAGGC	TGCCCTGTGG	AGGCGTTGGT	2340
CAAGGACAAC	GGCAATGGCA	CTTACAGCTG	CTCCTACGTG	CCCAGGAAGC	CGGTGAAGCA	2400
CACAGCCATG	GTGTCTTGGG	GAGGCGTCAG	CATCCCCAAC	AGCCCCCTTC	GGGTGAATGT	2460
GGGAGCTGGC	AGCCACCCCA	ACAAGGTCAA	AGTATACGGC	CCCGGAGTAG	CCAAGACAGG	2520
GCTCAAGGCC	CACGAGCCCA	CCTACTTCAC	TGTGGACTGC	GCCGAGGCTG	GCCAGGGGGA	2580
CGTCAGCATC	GGCATCAAGT	GTGCCCCCTG	AGTGGTAGGC	CCCCCGAAG	CTGACATCGA	2640
CTTCGACATC	ATCCGCAATG	ACAATGACAC	CTTCACGGTC	AAGTACACGC	CCCGGGGGGC	2700
TGGCAGCTAC	ACCATTATGG	TCCTCTTTGC	TGACCAGGCC	ACGCCCCACCA	GCCCCATCCG	2760
AGTCAAGGTG	GAGCCCTCTC	ATGACGCCAG	TAAGGTGAAG	GCCGAGGGCC	CTGGCCTCAG	2820
TCGCACTGGT	GTGAGGCTTG	GCAAGCCCCA	CCACTTCACA	GTAAATGCCA	AAGCTGOTGG	2880
CAAAGGCAAG	CTGGACGTCC	AGTTCTCAGG	ACTCACCAG	GGGGATGCAG	TGCGAGATGT	2940
GGACATCATC	GACCACCATG	ACAACACCTA	CACAGTCAAG	TACACGCCTG	TCCAGCAGGG	3000
TCCAGTAGGC	GTCAATGTCA	CTTATGGAGG	GGATCCCATC	CCTAAGAGCC	CTTTCTCAGT	3060
GGCAGTATCT	CCAAGCCTGG	ACCTCAGCAA	GATCAAGGTG	TCTGGCCTGG	GAGAGAAGGT	3120
GGACGTGTGG	AAAGACCAGG	AGTTCACAGT	CAAATCAAAG	GGTGCTGGTG	GTCAAGGCAA	3180
AGTGGCATCC	AAGATTGTGG	GCCCCCTCGG	TGCAGCGGTG	CCCTGCAAGG	TGGAGCCAGG	3240
CCTGGGGGGCT	GACAACAGTG	TGGTGCGCTT	CCTGCCCCGT	GAGGAAGGGC	CCTATGAGGT	3300
GGAGGTGACC	TATGACGGCG	TGCCCGTGCC	TGCGAGCCCC	TTTCCTCTGG	AAGCTGTGGC	3360
CCCCACCAAG	CCTAGCAAGG	TGAAGGCCTT	TGGGCCGGGG	CTGCAGGGAG	GCAGTGCGGG	3420
CTCCCCCGCC	CGCTTCACCA	TCGACACCAA	GGGCGCCGGC	ACAGGTGGCC	TGGGCCTGAC	3480
GGTGAGGGGG	CCCTGTGAGG	CGCAGCTCGA	GTGCTTGGAC	AATGGGGATG	GCACATGTTT	3540
CGTGTCTTAC	TGCCCCACCG	AGCCCGGGGA	CTACAACATC	AACATCCTCT	TCGCTGACAC	3600
CCACATCCCT	GGCTCCCCAT	TCAAGGCCCA	CGTGGTTCCC	TGCTTTGACG	CATCCAAAGT	3660
CAAGTGCTCA	GGCCCCGGGC	TGGAGCGGGC	CACCGCTGGG	GAGGTGGGGC	AATTCCAAGT	3720
GGACTGCTCG	AGCGCGGGCA	GCGCGGAGCT	GACCATTGAG	ATCTGCTCGG	AGGCGGGGCT	3780
TCCGGCCGAG	GTGTACATCC	AGGACCACGG	TGATGGCAGG	CACACCATTA	CCTACATTCC	3840
CCTCTGCCCC	GGGGCCTACA	CCGTACCAT	CAAGTACGGC	GGCCAGCCCG	TGCCCAACTT	3900
CCCCAGCAAG	CTGCAGGTGG	AACCTGCGGT	GGACACTTCC	GGTGCTCCAGT	GCTATGGGCC	3960
TGGTATTGAG	GGCCAGGGTG	TCTTCCGTGA	GGCCACCCT	GAGTTCAGTG	TGGACGCCCG	4020
GGCTCTGACA	CAGACCCGGAG	GGCCGCACGT	CAAGCCCCGT	GTGGCCAACC	CCTCAGGCAA	4080
CCTGACGGAG	ACCTACGTTT	AGGACCCTGG	CGATGGCATG	TACAAAGTGG	AGTACACGCC	4140
TTACGAGGAG	GGACTGCACT	CCGTGGACGT	GACCTATGAC	GGCAGTCCCG	TGCCCAGCAG	4200
CCCCCTCCAG	GTGCCCGTGA	CCGAGGGCTG	CGACCCCTCC	CGGGTGCGTG	TCCACGGGCC	4260
AGGCATCCAA	AGTGGCACCA	CCAACAAGCC	CAACAAGTTC	ACTGTGGAGA	CCAGGGGAGC	4320
TGGCACGGGC	GGCCTGGGCC	TGGCTGTAGA	GGGCCCCCTC	GAGGCCAAGA	TGTCCTGCAT	4380
GGATAACAAG	GACGGCAGCT	GCTCGGTCTGA	GTACATCCCT	TATGAGGCTG	GCACCTACAG	4440
CCTCAACGTC	ACCTATGGTG	GCCATCAAGT	GCCAGGCAGT	CCTTTCAAGG	TCCCTGTGCA	4500
TGATGTGACA	GATGCGTCCA	AGGTCAAGTG	CTCTGGGCCC	GGCCTGAGCC	CAGGCATGGT	4560
TCGTGCCAAC	CTCCCTCAGT	CCTTCCAGGT	GGACACAAGC	AAGGCTGGTG	TGGCCCCATT	4620
GCAGGTCAAA	GTGCAAGGGC	CCAAAGGCCT	GGTGAGGCCA	GTGGACGTGG	TAGACAACGC	4680
TGATGGCACC	CAGACCGTCA	ATTATGTGCC	CAGCCGAGAA	GGGCCCTACA	GCATCTCAGT	4740
ACTGTATGGA	GATGAAGAGG	TACCCCGGAG	CCCCCTTCAAG	GTCAAGGTGC	TGCTACTTCA	4800
TGATGCCAGC	AAGGTGAAGG	CCAGTGGCCC	CGGGCTCAAC	ACCACTGGCG	TGCTGCCAG	4860
CCTGCCCGTG	GAGTTCACCA	TCGATGCAAA	GGACGCCGGG	GAGGGCCTGC	TGGCTGTCCA	4920
GATCACGGAT	CCCGAAGGCA	AGCCGAAGAA	GACACACATC	CAAGACAACC	ATGACGGCAC	4980
GTATACAGTG	CCCTACGTGC	CAGACGTGAC	AGGTGCGTAC	ACCATCCTCA	TCAAGTACGG	5040
TGGTGACGAG	ATCCCCCTCT	CCCCGTACCG	CGTGCGTGCC	GTGCCCCACC	GGGACGCCAG	5100
CAAGTGCACT	GTCACAGTGT	CAATCGGAGG	TCACGGGGCTA	GGTGCTGGCA	TGCGCCCCAC	5160
CATTGAGATT	GGGGAGGAGA	CGGTGATCAC	TGTGGACACT	AAGGCGGCAG	GCAAAGGCAA	5220
AGTGACGTGC	ACCGTGTGCA	CGCCTGATGG	CTCAGAGGTG	GATGTGGACG	TGGTGGAGAA	5280
TGAGGACGGC	ACTTTCGACA	TCTTCTACAC	GGCCCCCAG	CCGGGCAAAAT	ACGTCTCTGT	5340
TGTGCGCTTT	GGTGGCGAGC	ACGTGCCCAA	CAGCCCCCTC	CAAGTGACGG	CTCTGGCTGG	5400
GGACAGGCC	TCGGTGCAGC	CCCCCTTACG	GTCTCAGCAG	CTGGCCCCAC	AGTACACCTA	5460
CGCCCCAGGC	GGCCAGCAGA	CTTGGGCCCC	GGAGAGGCCC	CTGGTGGGTG	TCAATGGGCT	5520
GGATGTGACC	AGCCTGAGGC	CCTTTGACCT	TGTCATCCCC	TTCACCATCA	AGAAGGGCGA	5580
GATCACAGGG	GAGGTTGCGA	TGCCCTCAGG	CAAGGTGGCG	CAGCCCCACCA	TCACTGACAA	5640
CAAAGACGGC	ACCGTGACCG	TGCGGTATGC	ACCCAGCGAG	GCTGGCCTGC	ACGAGATGGA	5700
CATCCGCTAT	GACAACATGC	ACATCCCAGG	AAGCCCCCTG	CAGTCTCTATG	TGGATTACGT	5760
CAACTGTGGC	CATGTCATCG	CCTATGGGCC	TGGCCTCACC	CATGGAGTAG	TGAACAAGCC	5820
TGCCACCTTC	ACCGTCAACA	CCAAGGATGC	AGGAGAGGGG	GGCCTGTCTC	TGGCCATTGA	5880
GGGCCCGTCC	AAAGCAGAAA	TCAGCTGCAC	TGACAACCAG	GATGGGACAT	GCAGCGTGTC	5940
CTACCTGCCT	GTGCTGCGGG	GGGACTACAG	CATTCTAGTC	AAGTACAATG	ABCAGCACGT	6000
CCCAGGCAGC	CCCTTCACTG	CTCGGGTCCAC	AGGTGACGAC	TCCATGCGTA	TGTCCCACCT	6060

6C

AAAGGTGGGC TCTGTGCGG ACATCCCCAT CAACATCTCA GAGACGGATC TCAGCCTGCT 6120  
 GACGGGCCACT GTGGTCCCGC CCTCGGGGCC GGAGGAGCCC TGTGTGCTGA AGCGGCTGCG 6180  
 TAATGGCCAC GTGGGGATT CATTCGTGCC CAAGGAGACG GGGGAGCACC TGGTGCATGT 6240  
 GAAGAAAAAT GGCCAGCAGC TGGCCAGCAG CCCCATCCCC GTGGTGATCA GCCAGTCGGA 6300  
 AATTGGGGAT GCCAGTCGTG TCGGGGTCTC TGGTCAGGGC CTTACGAAG GCCACACCTT 6360  
 TGAGCCTGCA GAGTTTATCA TTGATACCCG CGATGCAGGC TATGGTGGGC TCAGCCTGTC 6420  
 CATTGAGGGC CCCAGCAAGG TGGACATCAA CACAGAGGAC CTGGAGGACG GGACGTGCAG 6480  
 GGTACCTAC TGCCCCACAG AGCCAGGCAA CTACATCATC AACATCAAGT TTGCCGACCA 6540  
 GCACGTGCCCT GGCAGCCCCCT TCTCTGTGAA GGTGACAGGC GAGGGCCGGG TGAAAGAGAG 6600  
 CATCACCCGC AGGCGTCGGG CTCCTTCAGT GGCCAACGTT GGTAGTCATT GTGACCTCAG 6660  
 CCTGAAATC CCTGAAATTA GCATCCAGGA TATGACAGCC CAGGTGACCA GCCCATCGGG 6720  
 CAAGACCCAT GAGGCCGAGA TCGTGAAGG GGAGAACAC ACCTACTGCA TCCGCTTTGT 6780  
 TCCCGCTGAG ATGGGCACAC ACACAGTCAG CGTCAAGTAC AAGGGCCAGC ACGTGCCTGG 6840  
 GAGCCCCCTC CAGTTACCCG TGGGGCCCCCT AGGGGAAGGG GGAGCCACA AGGTCCGAGC 6900  
 TGGGGGCCCT GGCCTGGAGA GAGCTGAAGC TGGAGTGCCA GCCGAATTCA GTATCTGGAC 6960  
 CCGGGAAGCT GGTGCTGGAG GCCTGGCCAT TGCTGTGAG GGCCCCAGCA AGGCTGAGAT 7020  
 CTCTTTTGAG GACCGCAAGG ACGGCTCCTG TGGTGTGGCT TATGTGGTCC AGGAGCCAGG 7080  
 TGACTACGAA GTCTCAGTCA AGTTCAACGA GGAACACATT CCCGACAGCC CTTCTGCTGT 7140  
 GCCTGTGGCT TCTCCGTCTG GCGACGCCCG CCGCCTCACT GTTTCTAGCC TTCAGGAGTC 7200  
 AGGGCTAAAG GTCAACCAGC CAGCCTCTTT TGCAGTCAGC CTGAACGGGG CCAAGGGGGC 7260  
 GATCGATGCC AAGGTGCACA GCCCCTCAGG AGCCCTGGAG GAGTGCTATG TCACAGAAAT 7320  
 TGACCAAGAT AAGTAIGCTG TCGCTTCAT CCCCCTGGAG AATGGCGTTT ACCTGATTGA 7380  
 CGTCAAGTTC AACGGTACCC ACATCCCTGG AAGCCCCCTC AAGATCCGAG TTGGGGAGCC 7440  
 TGGGCATGGA GGGGACCCAG GCTTGGTGTG TGCTTACGGA GCAGGTCTGG AAGGCGGTGT 7500  
 CACAGGGAAC CCAGCTGAGT TCGTCGTGAA CACGAGCAAT GCGGGAGCTG GTGCCCTGTC 7560  
 GGTGACCATT GACGGCCCCCT CCAAGGTGAA GATGGATTGC CAGGAGTGCC CTGAGGGCTA 7620  
 CCGCGTCACC TATACCCCA TGGCACCTGG CAGCTACCTC ATCTCCATCA AGTACGGCGC 7680  
 CCCCTACCAC ATTGGGGGCA GCCCCCTCAA GGCCAAAGTC ACAGGCCCCC GTCTCGTCAG 7740  
 CAACCACAGC CTCCACGAGA CATCATCAGT GTTTGTAGAC TCTCTGACCA AGGCCACCTG 7800  
 TGCCCCCCAG CATGGGGCCC CGGGTCCTGG GCCTGCTGAC GCCAGCAAGG TGGTGGCCAA 7860  
 GGGCCTGGGG CTGASCAAGG CCTACGTAGG CCAGAAGAGC AGCTTCACAG TAGACTGCAG 7920  
 CAAAGCAGGC AACAACATGC TGCTGGTGGG GGTTCATGGC CCAAGGACCC CCTGCGAGGA 7980  
 GATCCTGGTG AAGCACGTGG GCAGCCGGCT CTACAGCGTG TCCTACCTGC TCAAGGACAA 8040  
 GGGGGAGTAC ACACTGGTGG TCAAATGGGG GCACGAGCAC ATCCCAGGCA GCCCCCTACC 8100  
 CGTTGTGGTG CCCTGAGTCT GGGGCCCCGT CCAGCCGGCA GCCCCCAAGC CTGCCCCGCT 8160  
 ACCCAAGCAG CCCCGCCCTC TTCCCTCAA CCCCAGCCCA GGCCGCCCTG GCGGCCCGCC 8220  
 TGCTACTGCA GCTGCCCTG CCCTGTGCCG TGCTGCGCTC ACCTGCCCTC CCAGCCAGCC 8280  
 GCTGACCTCT CGGCTTTCAC TTGGGCAGAG GGAGCCATT GGTGGCGCTG CTTGTCTTCT 8340  
 TTGTTCTGG GAGGGGTGAG GGATGGGG 8368

Name: 276

Len: 4803 Check:

FF4

GCGGCTGCCCT AGTTGACGCA CCCATTGAGT CGCTGGCTTC TTTGCAGCGC TTCAGCGTTT 60  
 TCCCCTGGAG GGCGCCTCCA TCCTTGGAGG CCTAGTGCCG TCGGAGAGA GAGCGGGAGC 120  
 CGCGGACAGA GACGCGTGCG CAATTCCGAG CCGACTCTGG GTGCGGACTG TGGGAGCTGA 180  
 CTCTGGGTAG CCGGCTGCGC GTGGCTGGGG AGGCGAGGCC GGACGCACCT CTGTTTGGGG 240  
 GTCTCAGAG ATTAATGATT CATCAAGGGA TAGTTGTACT GTTCTCGTGG GAATCACTTC 300  
 ATCATGCGAA ATCTGAAATT ATTTCCGACC CTGGAGTTCA GGGATATTCA AGGTCCAGGG 360  
 AATCCTCAGT GCTTCTCTCT CCGAATGAA CAGGGGACGG TGCTCATTGG TTCAGAACAT 420  
 GGCCTGATAG AAGTAGACCC TGTCTCAAGA GAAGTGAAAA ATGAAGTTTC TTTGGTGGCA 480  
 GAAGGCTTTC TTCCAGAGGA TGGAAAGTGG CGCATTTGTT GTGTTTCAAGG CTTGCTGGAT 540  
 CAGGAGTCTG TGTGTGTGGC CACAGCCTCT GGAGACGTCA TACTCTGCAG TCTCAGCACA 600  
 CAACAGCTGG AGTGTGTTGG GAGTGTAGCC AGTGGTATCT CTGTTATGAG TTGGAGTCCCT 660  
 GACCAAGAGC TGGTGCTTCT TGCCACAGGT CAACAGACCC TGATTATGAT GACAAAAGAT 720  
 TTTGAGCCAA TCCTGGAGCA GCAGATCCAT CAGGATGATT TTGGTGAAAG CAAGTTTATC 780  
 ACTGTTGGAT GGGGTAGGAA GGAGACACAG TTCCATGGAT CAGAAGGCAG ACAAGCAGCT 840  
 TTTAGATGC AAATGCATGA GTCTGCTTTG CCCTGGGATG ACCATAGACC ACAAGTTACC 900  
 TGGCGGGGGG ATGGACAGTT TTTTGTGTG AGTGTGTTT GCCCAGAAAC AGGGGCTCGG 960  
 AAGGTCAGAG TGTGGAACCG AGAGTTTGCT TTGCAGTCAA CCAGTGAGCC TGTGGCAGGA 1020  
 CTGGGACCAG CCCTGGCTTG GAAACCCCTCA GGCAGTTTGA TTGCATCTAC ACAAGATAAA 1080  
 CCCAACAGC AGGATATTGT GTTTTTTTGAG AAAAATGGAC TCCTTCATGG ACACCTTACA 1140  
 CTCCCTTCC TTAAGATGA GGTAAAGGTA AATGACTTGC TCTGGAATGC AGATTCTCT 1200  
 GTGCTTGCG TCCGGCTGGA AGACCTTCAG AGAGAAAAA GCTCCATTCC GAAAACCTGT 1260  
 GTTCAGCTCT GGAAGTTTGG AAACCTATCAG TGSTATCTCA AGCAAAGTTT ATCCTTCAGC 1320  
 ACCTGTGGGA AGAGCAAGAT TGTGTCTCTG ATGTGGGACC CTGTGACCCC ATACCGGCTG 1380

64

CATGTTCTCT GTCAGGGCTG GCATTACCTC GCCTATGATT GGCAGTGGAC GACTGACCGG 1440  
 AGCGTGGGAG ATAATTCAAG TGACTTGTCC AATGTGGCTG TCATTGATGG AAACAGGGTG 1500  
 TTGGTGACAG TCTTCCGGCA GACTGTGGTT CCGCCTCCCA TGTGCACCTA CCAACTGCTG 1560  
 TTCCACACAC CTGTGAATCA AGTCACATTC TTAGCACACC CTCAAAGAG TAATGACCTT 1620  
 GCTGTTCTAG ATGCCAGTAA CCAGATTTCT GTTTATAAAT GTGGTGATTG TCCAAGTGCT 1680  
 GACCCTACAG TGAAACTGGG AGCTGTGGGT GGAAGTGGAT TTAAAGTTTG CCTTAGAACT 1740  
 CCTCATTTGG AAAAGAGATA CAAAATCCAG TTTGAGAATA ATGAAGATCA AGATGTAAC 1800  
 CCGCTGAAAC TAGGCCTTCT CACTTGGATT GAAGAAGACG TCTTCCTGGC TGTAAGCCAC 1860  
 AGTGAGTTCA GCCCCCGGTC TGTCATTAC CATTGTACTG CAGCTTCTTC TGAGATGGAT 1920  
 GAAGAGCATG GACAGCTCAA TGTCAGTTCA TCTGCAGCGG TGGATGGGGT CATAATCAGT 1980  
 CTATGTTGCA ATTCCAAGAC CAAGTCAGTA GTATTACAGC TGGCTGATGG CCAGATATTT 2040  
 AAGTACCTTT GGGAGTCACC TTCTCTGGCT ATTAAPCCAT GGAAGAACTC TGGTGGATTT 2100  
 CCTGTTCCGT TTCCTTATCC ATGCACCCAG ACCGAATTGG CCATGATTGG AGAAGAGGAA 2160  
 TGTGTCTTGG GTCTGACTGA CAGGTGTCCG TTTTTCATCA ATGACATTGA GGTGCGTCA 2220  
 AATATCACCT CATTTCGAGT ATATGATGAG TTTTATTGT TGACAACCCA TTCCCATACC 2280  
 TGCCAGTGTT TTTGCCCTGAG GGATGCTTCA TTTAAACAT TACAGGCCCG CCTGAGCAGC 2340  
 AATCATGTGT CCCATGGGGA AGTTCTGCGG AAAGTGGAGA GGGGTTTACG GATTGTCACT 2400  
 GTTGTGCCCC AGGACACAAA GCTTGTATTA CAGATGCCAA GGGGAAACTT AGAAGTTGTT 2460  
 CATCATCGAG CCCTGGTTTT AGCTCAGATT CGGAAGTGGT TGGACAAACT TATGTTTTAA 2520  
 GAGGCATTTG AATGCATGAG AAAGCTGAGA ATCAATCTCA ATCCGATTTA TGATCATAAC 2580  
 CCTAAGGTGT TTCTTGGAAA TGTGGAAACC TTCATTAAAC AGATAGATTG TGTGAATCAT 2640  
 ATTAACCTGT TTTTACAGA ATTGAAAGAA GAAGATGTCA CGAAGACCAT GTACCCTGCA 2700  
 CCAGTTACCA GCAGTGTCTA CCTGTCCAGG GATCCTGACG GGAATAAAAT AGACCTTGTC 2760  
 TGCGATGCTA TGAGAGCAGT CATGGAGAGC ATAAATCCTC ATAAATACTG CCTATCCATA 2820  
 CTTACATCTC ATGTAAAGAA GACAACCCCA GAAGTGGAAA TTGTACTGCA AAAAGTACAC 2880  
 GAGCTTCAAG GAAATGCTCC CTCTGATCCT GATGCTGTGA GTGCTGAAGA GGCCTTGAAA 2940  
 TATTTGCTGC ATCTGGTAGA TGTTAATGAA TTATATGATC ATTCTCTTGG CACCTATGAC 3000  
 TTTGATTTGG TCCTCATGGT AGCTGAGAAG TCACAGAAGG ATCCCAAAGA ATATCTTCCA 3060  
 TTTCTTAATA CACTTAAGAA AATGGAACT AATTATCAGC GGTTTACTAT AGACAAATAC 3120  
 TTGAAACGAT ATGAAAAGC CATTGGCCAC CTCAGCAAAT GTGGACCTGA GTACTTCCCA 3180  
 GAATGCTTAA ACTTGATAAA AGATAAAAAC TTGTATAACG AAGCTCTGAA GTTATATTCA 3240  
 CCAAGCTCAC AACAGTACCA GGATATCAGC ATTGCTTATG GGGAGCACCT GATGCAGGAG 3300  
 CACATGTATG AGCCAGCGGG GCTCATGTTT GCGCGTTGCG GTGCCCCAGG GAAAGCTCTC 3360  
 TCAGCCTTTC TCACATGTGG CAACTGGAAG CAAGCCCTCT GTGTGGCAGC CCAGCTTAAC 3420  
 TTTACCAAAG ACCAGCTGGT GGGCCTCGGC AGAAGTCTGG CAGGAAAGCT GGTGTAGCAG 3480  
 AGGAAGCACA TTGATGCGGC CATGGTTTTG GAAGAGTGTG TGAGGCTGGT ATACAAATAT 3540  
 GTGCTCTTGC TGTTAGAAGG AGCTGCCTGG GAAGAAGCTT TTTTAGAAGC CCAGAAAAT 3600  
 AACAGACTGG ATATTATAGA AACCAACGTA AAGCCTTCCA TTTTAGAAGC CCAGAAAAT 3660  
 TATATGGCAT TTCTGGACTC TCAGACAGCC ACATTGATC GCCACAAGAA ACCTTTATTG 3720  
 GTAGTTCGAG AGCTCAAGGA GCAAGCCAG CAGGCAGGTC TGGATGATGA GGTACCCAC 3780  
 GGGCAAGAGT CAGACCTCTT CTCTGAACT AGCAGTGTG TGAGTGGCAG TGAGATGAGT 3840  
 GGCAAACTACT CCCATAGTAA CTCCAGGATA TCAGCGAGAT CATCCAAGAA TCGCCGAAA 3900  
 GCGGAGCGGA AGAAGCACAG CCTCAAAGAA GGCAGTCCGC TGGAGGACCT GGCCCTCCTG 3960  
 GAGGCAGTGA GTGAAGTGGT GCAGAACACT GAAAACCTGA AAGATGAAGT ATACCATATT 4020  
 TTPAAGGTAC TCTTCTCTT TGAGTTTGAT GAACAAGGAA GGAATTAACA GAAGGCCTTT 4080  
 GAAGATACGC TGCAGTTGAT GGAAAGGTCA CTTCCAGAAA TTTGGACTCT TACTTACCAG 4140  
 CAGAATTCAG CTACCCCGGT TCTAGGTCCT AATTCTACTG CAAATAGTAT CATGGCATCT 4200  
 TATCAGCAAC AGAAGACTTC GGTTCCTGTT CTTGATGCTG AGCTTTTAT ACCACCAAAG 4260  
 ATCAACAGAA GAACCCAGTG GAAGCTGAGC CTGCTAGACT GAGTGAAGT AGTTAGGAGG 4320  
 GATCCGACAG AGAAGACCAT TTCCACTCAT TCCTGTTGTC CTACCCCTTG TTGCTCTTTG 4380  
 AGGGCTGGCT ATTGAGAAGT GGAAAGAGTA AAATGATAAC TTACCTTAGC ATTGCCAAGA 4440  
 ACTTCAGCAG ACAACAAGCA ATCTATTATA TTTTATGTTG TGTATACATC TTGATCATA 4500  
 GCAAGACATT AAGCTTTAAC CATTATGGCA CCATTTTGTG AGAATGATTG TTCTTCACT 4560  
 TGGGCTGTTT GAGAGCATAA TTATGGTAAT CATGAGATTA ATGTTTCATG ATTTCTACCT 4620  
 CCAAAGTGTG AAGACAAGTA AAACAATGTT TCTAAATTGT CTTATTTTGT TGGCGGAGAA 4680  
 GATTACAATG SCTATTAGTG CTACATTTGG TCAAATGTAA TCACTTAAAT AGCTTCTTGT 4740  
 CACCTTAAAC TAAAGCAGAA TAAAAGTAT CCTTTGAAAT TAAAAAAAC AAAAAAGCTA 4800  
 AAA 4803

Name: 277

Len: 3548 Check: 1972

TGGCCGAAGC AGGGGGACAG CAAGGGACGC TCAGGCGGGG ACCATGGCGG ACGGCGGCTC 60  
 GGAGCGGGCT GACGGGCGCA TCGTCAAGAT GGAGGTGGAC TACAGCGCCA CGGTGGATCA 120  
 GCGCCTACCC GAGTGTGCGA AGCTAGCCAA GGAAGGAAGA CTTCAAGPAG TCATTGAAAC 180  
 CCTTCTCTCT CTGGAAGAGC AGACTCGTAC TGCTTCCGAT ATGGTATCGA CATCCCGTAT 240

62

CTTAGTTGCA GTAGTGAAGA TGTGCTATGA GGCTAAAGAA TGGGATTTAC TTAATGAAAA 300  
TATTATGCTT TTGTCCAAAA GCGCGAGTCA GTTAAAACAA GCTGTTGCCA AAATGGTTCA 360  
ACAGTGCTGT ACTTATGTTG AGGAAATCAC AGACCTTCCT ATCAAACCTC GATTAATTGA 420  
TACTCTACGA ATGGTTACCG AAGGCAAGAT TTATGTTGAA ATTGAGCGTG CGCGACTGAC 480  
TAAACATTA GCAACTATAA AAGAACAAAA TGGTGATGTG AAAGAGGCAG CCTCCATTTT 540  
ACAGGAGTTA CAGGTGAAAA CCTACGGGTC AATGGAAAAG AAAGAGCGAG TGGAAATTTAT 600  
TTTGGAGCAA ATGAGGCTCT GCCTAGCTGT GAAGGATTAC ATTCGAACAC AAATCATCAG 660  
CAAGAAAAAT AACACCAAAT TTTTCCAGGA AGAAAAATACA GAGAAATTAA AGTTGAAGTA 720  
CTATAATTTA ATGATTCAGC TGGATCAACA TGAGGGATCC TATTTGTCTA TTTGTAAGCA 780  
CTACAGAGCA ATATAIGATA CTCCCTGTAT ACAGGCAGAA AGTGAAAAAT GGCAGCAGGC 840  
TCTGAAGAGT GTTGTACTCT ATGTTATCCT GGCTCCTTTT GACAATGAAC AGTCAGATTT 900  
GGTTCCACCG ATAAGTGGTG ACAAGAAGTT AGAAGAAATT CCCAAATACA AGGATCTTTT 960  
AAAGCTTTTT ACCACAATGG AGTTGATGCG TTGGTCCACA CTTGTTGAGG ACTATGGAAT 1020  
GGAATTAAGA AAAGGTTCCC TTGAGAGTCC TGCAACGGAT GTTTTTGGTT CTACAGAGGA 1080  
AGGTGAAAAA AGGTGGAAAG ACTTGAAGAA CAGAGTTGTT GAACATAATA TTAGAATAAT 1140  
GGCCAAGTAT TATACTCGGA TAACAATGAA AAGGATGGCA CAGCTTCTGG ATCTATCTGT 1200  
TGATGAGTCC GAAGCCTTTC TCTCAAATCT AGTAGTTAAC AAGACCATCT TTGCTAAAGT 1260  
AGACAGATTA GCAGGAATTA TCAACTTCCA GAGACCCAAG GATCCAAATA ATTTATTAAA 1320  
TGACTGGTCT CAGAAACTGA ACTCATTAA GTCTCTGGTT AACAAAACTA CGCATCTCAT 1380  
AGCCAAAGAG GAGATGATAC ATAATCTACA ATAAGGTCT TAGTGCTTTA GAAAAAAGTT 1440  
AAAATTGGAA GTCATTAAAA AAAGACTGTT ATAATGGTGT ATATGTTGGG GTTTTTTTTC 1500  
TAAGCTTCTT TGTCTTAAAT TTTAAATAG TGAATATGTT TGAGACTCCC TTTGACCTTT 1560  
CAGTTCCCCA AGTTCATTGT TAACTTTGCA TTTGCAATTG GTGCAAAAT ACAGATTTCT 1620  
GTCGTCTGAA TACACAAAAA GTTGTGTCAT AACTTACCCA GATAIGTTTT TCTATCAATT 1680  
GAAACCTTTT TAGCTACTGT TTGTTTTCAT TCAACTAACA AACATATTCC AATAATAAAA 1740  
GCAGTATATA CATATTTCTT TTCTACAGTT ACCTCTGATT CTCAACATTT TGTGGGGTAG 1800  
TGATTTGGCA AGTGTTTTTT AAATAAAACA AATCTCATTG TAAAGTTATC AGTCATTTAG 1860  
TAGAATAGAA AAGCAACATA GAGCATACAA GAACATTTGG GATAGAGTTG TGATTTGTGA 1920  
AGAATTTGTA CTTTGATATT GTGGCGGAAA GTCTAGACTG AGTGTGTATG CTGGTAAACT 1980  
GTAGACTTTT TTTTTTTTTT TTGAGTCCGG CTGGTTCCAA TCACAGTAGC TTGATTGCTT 2040  
TCAGCCCTCA TCCTCTCACT TGATCAGTTG TTCAACAGAA TCAGCTGACA TAATTGACAC 2100  
AGTTTATTGG GTGTTAAGTC CGCTCTATAG GGATAGTGAC TACTTTTTTT TTTTTTTTTT 2160  
TTTTTGCTCT TCTTCTCTC CCCTTTCTTT ATATGGGTTT AAATTTAACA TAAAGTTGTT 2220  
TTTATAAGGC TTATTTGTGG CTTTAACTTG TAAGTCTGAT TACATCATTA TTGTTCCAAA 2280  
TTCATTATCT CTGTAGGAAC FTTTAGTTCC ATTATATGAA CACTGGATAA CCTAATTTTT 2340  
TTTAATGCTT TAAAAAATG GCAAAAAGAC GTCAGGCCAC CCTCATAGTA AGTGGTGTAG 2400  
TATTAAAATA TTTTCACGGA ATTAAAAGTA GCTTGCTGTC AAAGAAACAC CTGAGATGAA 2460  
TTGGTGTGAA CGAATTTTGC AAGTTTAATT TGATTTATTT CAGAGAAAAT AGAAAAACA 2520  
ATGTTAGAAG GTTATTTAAA ATGATACTTA AATAAAGAAA GTGTGAGGTC TACTTTAAAA 2580  
AAATTCAAAT GAAGAGAAAA AGAAAAACAG CATTCTAGAA ATGGCATTTC TCCTAATTAA 2640  
TTTTCCACTT AATGGAAGAT TATCAATTGT CCTATTTTAT GATCCCAGGA CTGAAGACAG 2700  
TTGTGGGATA TCTGTCATAT TTATCCTGTG AGTCATTGTG AATAATGACA TACAGTACTG 2760  
AAGTAATCTG ATTTTATTCT TTGGAAATTC AATGCATTGG TCACACTAAT AACATCAACA 2820  
TCTGCTATCA CTTATCTTTT TAAACTAAC CAAAAAAGGC TGGGATTACA GGCATGAGCC 2880  
ACTGCACCCA ACTCCTCTTT CGTCTTTCTT TAACACACAC TAGGCTCTTT GTGTATTATG 2940  
ATTCAGTGCT ATTTGTAAT GTGTCCCAGT GACCAAAATG CACTCGACTC GATCAGCTGT 3000  
TCATCCATTT CGTGTTTTTT CCTGTCAAAC ATTAATCCAG CAAATATATG AGGTATTTAC 3060  
CAATTTATTT TCTTAGTATT ACAAAATAAT TCATTAGCAT AAAGTACAAT AGTGAAATAT 3120  
TTGAGTTGTT CGGAACCTCA ATTAATCCTG TTTTACATTT CAGACCTAAA GCTGGCAATC 3180  
AGGAGAAGAA GCACTTTGTT TTAAATGTGG AGAAGATAAC ACTTGATTCC ATTTCAATTGT 3240  
CATTAGTGTA TTAACCAGCA GGAGAGGTGA TGAGCCATTT TTCAAATGAA ATACCTTTTA 3300  
TTCCCATATA ATTTTTTTAT TTTAGAGTTC AATAGCTGTT TCTATGATTA TCCTCAATTT 3360  
CCATATGTTA CTGAATCTGA AAAACATCTT TAAAATTCAA ACAGTTCCAT TTTCTCTCTT 3420  
GTAAGTGTTA AATGTGATAA AAGTACATAT TTTAAATTGT TTTCACTCTT TGGATATAGC 3480  
AGCAATAAAA AACTAATTT GTGGGTATTT AAGAAAACCT GGAGAATAAA CTCATACTTT 3540  
AAAAGATC 3548

Name: 278

Len: 4022 Check: 2A0

GTACGTGCGC GTCTCCCTGC CGCCGCCGCC GCGCGCCGCG GGCCGCCCCG GGGCCGCCGT 60  
CGCCGACGAC GCGCGGGAGG AGGAGGAGGA GGCCGCCCCG CCGCCGCCGC CGCCGCCGCC 120  
GCCCCGGCTC GCGCGCGCCC GCGCGCCGGG CTCGCAGCCC CGGCCCCCGG CCGCAGGCGA 180  
GGCCAGGCC GCGCGCGACA TGAACCACCA GCAGCAGCAG CAGCAGCAGA AAGCGGGCGA 240  
GCAGCAGTTG AGCGAGCCCG AGGACATGGA GATGGAAGCG GGAGATACAG ATGACCCACC 300  
AAGAATTACT CAGAACCCTG TGATCAATGG GAATGTGCC CTGAGTGATG GACACAACAC 360

63

CGCGGAGGAG	GACATGGAGG	ATGACACCAG	TTGGCGCTCC	GAGGCAACCT	TTGAGTTCAC	420
TGTGGAGCGC	TTGAGCAGAC	TGAGTGAGTC	GGTCCTTAGC	CCTCCGTGTT	TTGTGCGAAA	480
TCTGCCAIGG	AAGATTATGG	TGATGCCACG	CTTTTATCCA	GACAGACCAC	ACCAAAAAAG	540
CGTAGGATTC	TTTCTCCAGT	GCAATGCTGA	ATCTGATTCC	ACGTCATGGT	CTTGCCCATGC	600
ACAAGCAGTG	CTGAAGATAA	TAAATTACAG	AGATGATGAA	AAGTCGTTCA	GTGCTCGTAT	660
TAGTCATTTG	TTCTTCCATA	AAGAAAATGA	TTGGGGATTT	TCCAATTTTA	TGGCCCTGGAG	720
TGAAGTGACC	GATCCTGAGA	AAGGATTTAT	AGATGATGAC	AAAGTTACCT	TTGAAGTCTT	780
TGTACAGGCG	GATGCTCCCC	ATGGAGTTGC	GTGGGATTCA	AAGAAGCACA	CAGGCTACGT	840
CGGCTTAAAG	AATCAGGGAG	CGACTTGTTA	CATGAACAGC	CTGCTACAGA	CGTTATTTTT	900
CACGAATCAG	CTACGAAAGG	CTGTGTACAT	GATGCCAACC	GAGGGGGATG	ATTCTGTCTAA	960
AAGCGTCCCT	TTAGCATTAC	AAAGAGTGT	CTATGAATTA	CAGCATAGTG	ATAAACCTGT	1020
AGGAACAAAA	AAGTTAACAA	AGTCATTTGG	GTGGGAAACT	TTAGATAGCT	TCATGCAACA	1080
TGATGTTTAC	GAGCTTTGTC	GAGTGTGCT	CGATAATGTG	GAAAATAAGA	TGAAAGGCAC	1140
CTGTGTAGAG	GGCACCATAC	CCAAATTATT	CCGCGGCAAA	ATGGTGTCTT	ATATCCAGTG	1200
TAAAGAAGTA	GACTATCGGT	CTGATAGAAG	AGAAGATTAT	TATGATATCC	AGCTAAGTAT	1260
CAAAGGAAAG	AAAAATATAT	TTGAATCAAT	TGTGGATTAT	GTGGCAGTAG	AACAGCTCGA	1320
TGGGGACAAAT	AAATACGACG	CTGGGGAACA	TGGCTTACAG	GAAGCAGAGA	AAGGTGTGAA	1380
ATTCTTAACA	TTGCCACCAG	TGTTACATCT	ACAATGATG	AGATTTATGT	ATGACCCCTCA	1440
GACGGACCAA	AATATCAAGA	TCAATGATAG	GTTTGAATTC	CCAGAGCAGT	TACCACTTGA	1500
TGAATTTTGG	CAAAAAACAG	ATCCTAAGGA	CCCTGCAAAAT	TATATTCTTC	ATGCAGTCTT	1560
GGTTCATAGT	GGAGATAATC	ATGGTGGACA	TTATGTGGTT	TATCTAAACC	CCAAAGGGGA	1620
TGGCAAATGG	TGTAAATTTG	ATGACGACGT	GGTGTCAAGG	TGTACTAAAG	AGGAAGCAAT	1680
TGAGCACAAT	TATGGGGGTC	ACGATGACGA	CCTGTCTGTT	CGACACTGCA	CTAATGCTTA	1740
CATGTTAGTC	TACATCAGGG	AATCAAAACT	GAGTGAAGTT	TTACAGGCGG	TCACCGACCA	1800
TGATATTCCT	CAGCAGTTGG	TGGAGCGATT	ACAAGAAGAG	AAAAGGATCG	AGGCTCAGAA	1860
GCGGAAGGAG	CGGCAGGAAG	CCCATCTCTA	TATGCAAGTG	CAGATAGTCG	CAGAGGACCA	1920
GTTTTGTGGC	CACCAAGGGA	ATGACATGTA	CGATGAAGAA	AAAGTGAAT	ACACTGTGTT	1980
CAAAGTATTG	AAGAATCTCT	CGCTTGCTGA	GTTTGTTCAG	AGCCTCTCTC	AGACCATGGG	2040
ATTTCCACAA	GATCAAAATTC	GATTGTGGCC	CTATGCAAGCA	AGGAGTAATG	GAACAAAACG	2100
ACCAGCAATG	TTAGATAATG	AAGCCGACGG	CAATAAAACA	ATGATTGAGC	TCAGTGATAA	2160
TGAAAACCCCT	TGGACAATAT	TCCTGGAAAC	AGTTGATCCC	GAGCTGGCTG	CTAGTGGAGC	2220
GACCTTACCC	AAGTTTGATA	AAGATCATGA	TGTAATGTTA	TTTTTGAAGA	TGTATGATCC	2280
CAAAACGCGG	AGCTTGAATT	ACTGTGGGCA	TATCTACACA	CCAATATCCT	GTAAAATACG	2340
TGACTTGCTC	CCAGTTATGT	GTGACAGAGC	AGGATTTATT	CAAGATACTA	GCCTTATCCT	2400
CTATGAGGAA	GTTAAACCGA	ATTTAACAGA	GAGAATTCAG	GACTATGACG	TGTCTCTTGA	2460
TAAAGCCCTT	GATGAACATA	TGGATGGTGA	CATCATAGTA	TTTCAGAAGG	ATGACCCTGA	2520
AAATGATAAC	AGTGAATTAC	CCACCGCAAA	GGAGTATTTC	CGAGATCTCT	ACCACCGCGT	2580
TGATGTCAAT	TTCTGTGATA	AAACAATCCC	TAATGATCCT	GGATTTGTGG	TTACGTTATC	2640
AAATAGAATG	AATTATTTTT	AGGTTGCAAA	GACAGTTGCA	CAGAGGCTCA	ACACAGATCC	2700
AATGTTGCTG	CAGTTTTTCA	AGTCTCAAGG	TTATAGGGAT	GGCCAGGTA	ATCCTCTTAG	2760
ACATAATTAT	GAAGGTACTT	TAAGAGATCT	TCTACAGTTC	TTCAAGCCTA	GACAACCTAA	2820
GAAACTTTAC	TATCAGCAGC	TTAAGATGAA	AATCAGAGAC	TTTGAGAACA	GGCGAAGTTT	2880
TAAATGTATA	TGGTTAAACA	GCCAATTTAG	GGAAGAGGAA	ATAACACTAT	ATCCAGACAA	2940
GCATGGGTGT	GTCCGGGACC	TGTTAGAAGA	ATGTAAAAAG	GCCGTGGAGC	TTGGGGAGAA	3000
AGCATCAGGG	AAACTTAGGC	TGCTAGAAAT	TGTAAGCTAC	AAAATCATTG	GTGTTTCATCA	3060
AGAAGATGAA	CTATTAGAAT	GTTTATCTCC	TGCAACGAGC	CGGACGTTTC	GAATAGAGGA	3120
AATCCCTTTG	GACCAGGTGG	ACATAGACAA	AGAGAATGAG	ATGCTTGTC	CAGTGGCGCA	3180
TTTCCACAAA	GAGGTCTTCG	GAACGTTCCG	AATCCCGTTT	TTGCTGAGGA	TACACCAGGG	3240
CGAGCATTTT	CGAGAAGTGA	TGAAGCGAAT	CCAGAGCCTG	CTGGACATCC	AGGAGAAGGA	3300
GTTTGAGAAG	TTTAAATTTG	CAATTGTAAT	GACGGGCCGA	CACCAGTACA	TAAATGAAGA	3360
CGAGTATGAA	GTAAATTTGA	AAGACTTTGA	GCCACAGCCC	GGTAATATGT	CTCATCCTCG	3420
GCCTTGCGTA	GGGCTCGACC	ACTTCAACAA	AGCCCCAAAG	AGGAGTCGCT	ACACTTACCT	3480
TGAAAAGGCC	ATTAAAAATCC	ATAACTGATT	TCCAAGCTGG	TGTGTTCAAG	GCGAGGACGG	3540
TGTGTGGGTG	GCCCCTTAAG	AGCCTAGAAG	TTTGGTGCAC	GTGCCCTCTA	GCCGAAGTCT	3600
TCAGCAAGAG	GATTCGCTGC	TGGTGTAAAT	TTTATTTTAT	TGAGGCTGTT	CAGTTTGGCT	3660
TCTCTGTATC	TATTGACTGC	CCTTTTTGAG	CAAAATGAAG	ATGTTTTTAT	AAAGCTTGGA	3720
TGCCAATGAG	AGTTATTTTA	TGGTAACCAC	AGTGCAAGGC	AACTGTCAGC	GCAATGGGGG	3780
AGAAGAGGTT	AGTGGATCGG	GGGTCCCTGG	CTCAAGGTCT	CTGGGCTGTC	CCTAGTGGGC	3840
ACGAGTGGCT	CGGCTGCCTT	CCTGGGGTCC	CGTGCACCAG	CCCTGCAGCT	AGCAAGTCTT	3900
GTGTTTAGGC	TCGTCTGACC	TATTTCTCTC	AGTTATACTT	TCAATGACCT	TTTGTGCATC	3960
TGTTAAGGCA	AAACAGAGAA	ACTCACAACC	TAATAAATAG	CGCTCTTCCC	TTCAAAAAAA	4020
AA						4022

Name: 279

Len: 3403 Check: 7C5



64

CAGGTCTGAG	GCGAAGCTAG	GTGAGCCGTG	GGAAGAAAAG	AGGGAGCAGC	TAGGGCGCGG	60
GTCTCCCTCC	TCCCGGAGTT	TGGAACGCGT	GAAGTTCACC	TTCCAGCCCC	TAGCGCCGTT	120
CGCGCCGCTA	GGCCTGGGTT	CTGAGGCGGT	TGCGGTGCTC	GGTCGCCGCC	TAAGCGGGGC	180
AGGGTGCAG	CAGGGGCTTC	GGGCCACGCT	TCTCTTGGCG	ACAGGATTTT	GCTGTGAAGT	240
CCGTCCGGGA	AACGGAGGAA	AAAAAGAGTT	GCGGGAGGCT	GTCTGCTAAT	AACGGTCTTT	300
GATACATATT	TGCCAGACTT	CAAGATTTC	GAAAAGGGGT	GAAAGAGAAG	ATTGCAACTT	360
TGAGTCAGAC	CTGTAGCCCT	GATAGACTGA	TTAAACCACA	GAAGGTGACC	TGCTGAGAAA	420
AGTGGTACAA	ATACTGGGAA	AAACCTGCTC	TTCTGCGTTA	AGTGGGAGAC	AATGTCACAA	480
GTTAAAAGCT	CTTATTCCTA	TGATGCCCCC	TCGGATTTCA	TCAATTTTTT	ATCCTTGGAT	540
GATGAAGGAG	ATACTCAAAA	CATAGATTCA	TGGTTTGAAG	AGAAGGCCAA	TTTGGAGAAT	600
AAGTTACTGG	GGAAGAATGG	AACCTGGAGG	CTTTTTGAGG	GCAAACTCC	TTTGAGAAAG	660
GCTAATCTTC	AGCAAGCTAT	TGTCACACCT	TGAAACCAG	TTGACAACAC	TTACTACAAA	720
GAGGCAGAAA	AAGAAAATCT	TGTGGAACAA	TCCATTCCGT	CAAATGCTTG	TTCTTCCCTG	780
GAAGTTGAGG	CAGCCATATC	AAGAAAACCT	CCAGCCCAGC	CTCAGAGAAG	ATCTCTTAGG	840
CTTTCTGCTC	AGAAGGATTT	GGAACAGAAA	GAAAAGCATC	ATGTAAAAAT	GAAAGCCAAG	900
AGATGTGCCA	CTCCTGTAAT	CATCGATGAA	ATTCTACCC	CTAAGAAAAT	GAAAGTTTCT	960
AACAACAAAA	AGAAGCCAGA	GGAAGAAGGC	AGTGCTCATC	AAGATACTGC	TGAAAACAAT	1020
GCATCTTCCC	CAGAGAAAAG	CAAGGGTAGA	CATACTGTGC	CTTGATGACC	ACCTGCAAG	1080
CAGAAGTTTC	TAAAAAGTAC	TGAGGAGCAA	GAGCTGGAGA	AGAGTATGAA	AATGCAGCAA	1140
GAGGTGGTGG	AGATGCGGAA	AAAGAATGAA	GAATTCAGAA	AACTTGCTCT	GGCTGGAATA	1200
GGGCAACCTG	TGAAGAAATC	AGTGAGCCAG	GTCACCAAT	CAGTTGACTT	CCACTTCCGC	1260
ACAGATGAGC	GAATCAAAAC	ACATCCTAAG	AACCAGGAGG	AATATAAGGA	AGTGAACCTT	1320
ACATCTGAAC	TACGAAAGCA	TCCTTCATCT	CCTGCCCGAG	TGACTAAGGG	ATGTACCATT	1380
GTTAAGCCTT	TCAACCTGTC	CCAAGGAAAG	AAAAGAACAT	TTGATGAAC	AGTTTCTACA	1440
TATGTGCCCC	TTGCACAGCA	AGTTGAAGAC	TTCCATAAAC	GAACCCCTAA	CAGATATCAT	1500
TTGAGGAGCA	AGAAGGATGA	TATTAACCTG	TTACCCCTCA	AATCTTCTGT	GACCAAGATT	1560
TGCAGAGACC	CACAGACTCC	TGTACTGCAA	ACCAAACACC	GTGCACGGGC	TGTGACCTGC	1620
AAAAGTACAG	CAGAGCTGGA	GGCTGAGGAG	CTCGAGAAAT	TGCAACAATA	CAAATTCAAA	1680
GCACGTGAAC	TTGATCCCAG	AATACTTGAA	GGTGGGCCCC	TCTTGCCCCA	GAAACCACTT	1740
GTGAAACCAC	CCACCGAGCC	TATTGGCTTT	GATTTGGAAA	TTGAGAAAAG	AATCCAGGAG	1800
CGAGAATCAA	AGAAGAAAAC	AGAGGATGAA	CACCTTGAAT	TTCATTCCAG	ACCTTGCCCT	1860
ACTAAGATTT	TGGAAGATGT	TGTGGGTGTT	CCTGAAAAGA	AGGTACTTCC	AATCACCGTC	1920
CCCAAGTCAC	CAGCCTTTGC	ATTGAAGAAC	AGAATTCGAA	TGCCCCACCA	AGAAGATGAG	1980
GAAGAGGACG	AACCGGTAGT	GATAAAAGCT	CAACCTGTGC	CACATTATGG	GGTGCCTTTT	2040
AAGCCCCAAA	TCCCAGAGGC	AAGAAGTGTG	GAAATATGCC	CTTTCTCGTT	TGATTCTCGA	2100
GACAAAGAAC	GTCAAGTTACA	GAAGGAGAAG	AAAATAAAAG	AACTGCAGAA	AGGGGAGGTG	2160
CCCAAGTTCA	AGGCACTTCC	CTTGCCCTCAT	TTTGACACCA	TTAACCTGCC	AGAGAAGAAG	2220
GTAAGAATG	TGACCCAGAT	TGAACCTTTC	TGCTTGAGAA	CTGACAGAAG	AGGTGCTCTG	2280
AAGGCACAGA	CTTGGAAGCA	CCAGCTGGAA	GAAGAAGTGA	GACAGCAGAA	AGAAGCAGCT	2340
TGTTTTCAAGG	CTCGTCCAAA	CACCGTCATC	TCTCAGGAGC	CCTTTGTTCC	CAAGAAAGAG	2400
AAGAAATCAG	TTGCTGAGGG	CCTTTCTGGT	TCTCTAGTTC	AGGAACCTTT	TCAGCTGGCT	2460
ACTGAGAAGA	GAGCCAAAGA	GCGGCAGGAG	CTGGAGAAGA	GAATGGCTGA	GGTAGAAGCC	2520
CAGAAAGCCC	AGCAGTTGGA	GGAGGCCAGA	CTACAGGAGG	AAGAGCAGAA	AAAAGAGGAG	2580
CTGGCCAGGC	TACGGAGAGA	ACTGGTGCAT	AAGGCAAATC	CAATACGCAA	GTACCAGGGT	2640
CTGGAGATAA	AGTCAAGTGA	CCAGCCTCTG	ACTGTGCCCT	TATCTCCCAA	ATTCTCCACT	2700
CGATTCCACT	GCTAAACTCA	GCTGTGAGCT	GCGGATACCG	CCCGGCAATG	GGACCTGCTC	2760
TTAACCTCAA	ACCTAGGACC	GTCTTGCTTT	GTCATTGGGC	ATGGAGAGAA	CCCATTCTCT	2820
CAGACTTTTA	CCTACCCGTG	CCTGAGAAAG	CATACTTGAC	AACTGTGGAC	TCCAGTTTGT	2880
TTGAGAATTG	TTTTCTTACA	TTACTAAGGC	TAATAATGAG	ATGTAACCTA	TGAATGTCTC	2940
GATTAGACTC	CATGTAGTTA	CTTCCTTTAA	ACCATCAGCC	GGCCTTTTAT	ATGGGTCTTC	3000
ACTCTGACTA	GAATTTAGTC	TCTGTCTCAG	CACAGTGTA	TCTCTATTGC	TATTGCCCTT	3060
TACGACTCTC	ACCTCTCTCC	CACTTTTTTT	AAAAATTTTA	ACCAGAAAAT	AAAGATAGTT	3120
AAATCCTAAG	ATAGAGATTA	AGTCATGGTT	TAAATGAGGA	ACAATCAGTA	AATCAGATT	3180
TGTCCTCTTC	TCTGCATACC	GTGAATTTAT	AGTTAAGGAT	CCCTTTGCTG	TGAGGGTAGA	3240
AAACCTCACC	AACTGCACCA	GTGAGGAAGA	AGACTGCGTG	GATTTCATGG	GAGCCTCACA	3300
GCAGCCACGC	AGCAGGCTCT	GGGTGGGGCT	GCCGTTAAGG	CACAGTTCTT	TCCTTACTGG	3360
TGCTGATAAC	AACAGGGAAC	CGTGCAAGTG	GCATTTTAAG	ACC		3403

Name: 28 Len: 426 Check: 122C

TTGATTTGTT	GCCCATGCAA	GCAAGGAGTA	ATGGAACAAA	ACGACCAGCA	ATGTTAGATA	60
ATGAAGCCGA	CGNAATAAAA	CAATGATTGA	GCTCAGTGAT	AATGAAAACC	CTTGACAAT	120
ATTCTTGAA	ACAGTTGATC	CCGAGCTGGC	TGCTAGTGGG	GCGACCTTAC	CCAAGTTTGA	180
TAAAGATCAT	GATGTAATGT	TATTTTGA	GATGTATGAT	CCCAAAACGC	GGACTTTGAA	240
TTACTGTGGG	CATATCTAGA	CACCAATATC	CTGTAAAATA	CGTGACTTGC	TCCCAGTTAT	300



65

GTGTGACAGA GCAGGATTTA TTCAAGATAC TAGCCCTTTAT CCTCTATGGA GGAAGTTAAA 360  
 CCGAATTTAA CAGAGAGAAT TCCAGGACTA TGACGTSTCT COTTGATAAA GCCCCTTGAT 420  
 GAACTA 426

Name: 280 Len: 6428 Check: 1EC4

GCTAGTGGAA GTTACTGCCG CGCCACCGAG TCCGGACCGG AGACTTTGGG GCCTAACTAC 60  
 TGAATGGTAG TGTCTAGAAA GGGTATGTCC CTTCAAGAGA GAGGTGCCAA TGTCCAACCG 120  
 GCCTAATAAC AATCCAGGGG GGTCACTGCG ACGTTCACAG AGGAACACTG CCGGGGCCCA 180  
 ACCACAAGAC GACTCAATAG GAGGAAGAAG CTGCAGTTCA TCATCTGCTG TGATAGTTCC 240  
 ACAACCAGAG GATCCAGACA GAGCCAATAC TTCAGAAAGA CAAAAACGG GGCAGGTGCC 300  
 TAAGAAAGAC AATTCTCGAG GAGTGAAGCG CAGTGTCTAGT CCAGACTACA ACAGGACCAA 360  
 TTCTCCTAGC TCTGCAAAAA AACCAAAAGC ACTTCAGCAT ACTGAATCTC CCTCAGAAAC 420  
 AAATAAGCCA CATAGTAAGT CAAAGAAGAG ACATTTAGAC CAGGAGCAAC AACTGAAATC 480  
 TGCACAATCA CCATCAACAA GCAAGGCTCA TACCAGGAAG AGTGGGGCCA CTGGCGGTTC 540  
 ACGGAGTCCAG AAAAGAAAAA GGACAGAGAG TTCTTGTGTA AAGAGTGGCT CCGGGTCTGA 600  
 ATCAACTGGT GCAGAAGAGA GATCTGCGAA ACCTACCAAG CTGGCTTCAA AATCAGCCAC 660  
 CTCAGCCAAA GCTGGGTGTA GCACCATCAC TGATCTTCTT TCTGCTGCCT CTACTTCCTC 720  
 CTCGTCTTCT GCTGTAGCCT CGGCCTCCTC CACTGTACCA CCAGGTGCCA GAGTGAACA 780  
 AGGAAAAGAT CAGAACAAGG CCAGGCGTTC CCGTTCAGCG TCCAGTCCCA GCCCAGAA 840  
 AAGTAGCAGG GAAAAGGAAC AGAGTAAAAA TGGTGGCTCT TCAAAATTTG ATTGGCTGC 900  
 TCGTTTCAGC CCTAAAGTTA GCCITCCTAA AACAAAACCTG TCTCTTCCAG GGTCTTCTAA 960  
 GTCAGAGACA TCAAAACCTG GACCTTCTGG ATTACAGGCC AAATTAGCAA GTTTAAGAAA 1020  
 ATCTACGAAG AAACGCAGTG AGTCTCCACC TGCTGAGCTC CCCAGTTTGA GCGGAGCAC 1080  
 ACGCCAAAAA ACCACGGGCT CCGTGTCTAG TACCACTGG CGAGGCTCTG GCCTGGGCAA 1140  
 AAGAGGAGCA GCTGAAGCTC GTCGACAGGA GAAATGGCA GACCCTGAAA GCAACCAGGA 1200  
 GGCAGTAAAT TCTTCAGCTG CTCGGACAGA TGAAGCTCC CAAGGAGCTG CAGGGGCTGT 1260  
 TGGCATGACC ACCTCTGGGG AGAGTGAATC AGATGATTCC GAGATGGGAC GTTTGCAAGC 1320  
 TTTGTTAGAG GCAAGGGGTC TTCCCCCTCA CCTATTTGGT CCTCTTGGTC CTCGGATGTC 1380  
 ACAGCTTTTC CATAGAACAA TTGGAAGTGG AGCTAGTTCT AAGGCCCAGC AGCTACTACA 1440  
 AGGATTGCAA GCCAGTGATG AAAGTCAACA GCTTCAGGCA GTTATTGAGA TGTGTCAGTT 1500  
 ACTGGTCATG GGAAATGAGG AGACACTGGG AGGGTTTCTT GTCAAGAGTG TTGTTCCAGC 1560  
 TTTGATTACG TTACTCTAGA TGGAGCACAA TTTTGATATT ATGAACCATG CTTGTGAGC 1620  
 CTTAACATAC ATGATGGAAG CACTTCTCTG ATCTTCTGCT GTTGTAGTAG ATGCTATTCC 1680  
 TGTCTTTTAA GAAAAGCTGC AAGTTATTCA GTGTATTGAT GTGGCAGAGC AGGCCTTGAC 1740  
 TGCCTTGGAG ATGTTGTAC GAGACATAG TAAAGCCATT CTACAGGCGG GTGGTTTGGC 1800  
 AGACTGCTTG CTGTACCTAG AATTCTTCAG CATAATGCC CAAAGAAATG CATTAGCAAT 1860  
 TGCAGCTAAT TGCTGCCAGA GTATCACGCC AGATGAATTT CATTTTGTGG CAGATTCACT 1920  
 CCCATTGCTA ACCCAAAGGC TAACACATCA GGATAAAAAG TCAGTAGAAA GCACTTGCTT 1980  
 TTGTTTTGCA CGCCTAGTGG ACAACTTCCA GCATGAGGAG AATTTACTCC AGCAGGTTGC 2040  
 TTCCAAAGAT CTGCTTACAA ATGTTCAACA GCTGTTGGTA GTGACTCCAC CCATTTTAA 2100  
 TTCTGGGATG TTTATAATGG TGGTTCGCAT GTTTTCTCTG ATGTGTTCCA ACTGTCCAAC 2160  
 TTTAGCTGTT CAACTTATGA AACAAAACAT TGCAGAAACG CTTCACTTTC TCCTGTGTGG 2220  
 TGCCTCCAAT GGAAGTTGTC AGGAACAGAT TGATCTTGTT CCACGAAGCC CTCAGAGTT 2280  
 GTATGAACTG ACATCTCTGA TTTGTGAACT TATGCCATGT TTACCAAAAG AAGGCATTTT 2340  
 TGCAGTTGAT ACCATGTTGA AGAAGGGAAA TGCACAGAAC ACAGATGGTG CGATATGGCA 2400  
 GTGGCGTGAT GATCGGGGCC TCTGGCATCC ATATAACAGG ATTGACAGCC GGATCATTGA 2460  
 GCAAAATCAAT GAGGACACGG GAACAGCAGC TGCCATTGAG AGAAAACCTA ACCCGTTAGC 2520  
 CAATAGTAAC ACTAGTGGAT ATTCAGAGTC AAAGAAGGAT GATGCTCGAG CACAGCTTAT 2580  
 GAAAGAGGAT CCGGAAGTGG CTAAGTCTTT TATTAAGACA TTATTTGGTG TTCTTTATGA 2640  
 AGTGTATAGT TCCTCAGCAG GACCTGCGGT CAGACATAAG TGCCCTAGAG CAATTCTTAG 2700  
 GATAATTTAT TTTGCGGATG CTGAACTTCT GAAGGATGTT CTGAAAAATC ATGCTGTTTC 2760  
 AAGTCACATT GCTTCCATGC TGTCAAGCCA AGACCTGAAG ATAGTAGTGG GAGCACTTCA 2820  
 GATGGCAGAA ATTTTAATGC AGAAGTTACC TGATATTTT AGTGTTTACT TCAGAAGAGA 2880  
 AGGTGTAATG CATCAAGTAA AACACTTAGC AGAATCAGAG TCTTTGTTGA CAAGTCCACC 2940  
 AAAGGCATGT ACGAATGGAT CGGGATCCAT GGGATCCACA ACTTCAGTCA GCAGTGGGAC 3000  
 AGCCACAGCT GCCACTCATG CTGCAGCTGA CTTGGGATCA CCCAGCTTGC AGCACAGCAG 3060  
 GGATGATTCT TTAGATCTCA GCCCTCAAGG TCGATTAAAGT GATGTTCTAA AGAGAAAACG 3120  
 ACTGCCAAAA CGAGGGCCAA GAAGGCCAAA GTACTCACCT CCAAGAGATG ATGACAAAGT 3180  
 AGACAATCAA GCTAAAAGCC CCACCACTAC TCAGTCACCT AAATCTTCTT TCCTGGCAAG 3240  
 CTTGAATCCA AAAACATGGG GAAGGTTAAG TACACAGTCC AACAGCAACA ACATTGAGCC 3300  
 AGCACGGACT GCGGGAGGTA GTGGCCTTGC CAGGGCTGCC TCAAAGGATA CCATCTCCAA 3360  
 TAATAGAGAA AAAATTAAAG GTTGGATTAA GGAGCAGGCA CATAAATTTG TAGAACGTTA 3420  
 TTTCACTTCT GAGAATATGG ATGGAAGCAA CCCTGCATTG AATGTCCTTC AGAGACTTTG 3480  
 TGCTGCAACC GAACAACTCA ACCTCCAGGT GGATGGTGGA GCTGAGTGCC TTGTAGAAAT 3540

66

CCGTAGCATA GTCTCAGAGT CAGATGTTTC ATCATTTGAA ATCCAACATA GTGGATTGTG 3600  
 GAAGCAGCTG TTGCTTTTAT TGACATCTAA AAGTGAAAAG GATGCTGTGA GCAGAGAGAT 3660  
 CAGATTAAAG CGATTTCTTC ATGTATTTTT TTCTTCTCCA CTTCCTGGAG AAGAGCCCAT 3720  
 TGGAAAGAGTG GAACCAAGTGG GTAATGCACC TTTGTTGGCA TTAGTTCACA AGATGAACAA 3780  
 CTGCCTCAGC CAGATGGAAC AATTTCCAGT CAAAGTACAT GATTTCCCTA GTGGAAATGG 3840  
 GACAGGAGGC AGCTTTTCTC TCAACAGAGG ATCAGAGGCT TAAAAATTTT TCAACACACA 3900  
 TCAATTAAAA TGCCAGTTAC AAAGGCATCC AGACTGTGCA AATGTGAAGC AGTGGAAAGG 3960  
 TGGACCTGTG AAGATTGACC CTCTGGCTTT GGTACAAGCC ATCGAGAGAT ACCTTGTAAGT 4020  
 TAGAGGGTAT GGAAGAGTAA GAGAAGATGA TGAAGACAGC GATGACGATG GATCAGATGA 4080  
 GGAAATAGAT GAGTCTCTGG CTGCTCAGTT CCTAAATTCA GGAAATGTAA GACACAGGCT 4140  
 GCAGTTTAT ATTGGAGAAC ATTTGCTGCC GTATAACATG ACTGTGTATC AGGCAGTACG 4200  
 GCAGTTTAGT ATACAGGCTG AAGATGAAAG AGAATCCACA GATGATGAGA GCAATCCTCT 4260  
 AGGCAGAGCT GGTATTTGGA CAAAGACTCA TACAATATGG TATAAACCTG TGAGAGAGGA 4320  
 TGAAGAAAGT AATAAAGATT GTGTTGGTGG TAAAAGAGGA AGAGCCCAAA CAGCTCCAAC 4380  
 GAAAACTTCC CCTAGAAATG CAAAAAGCA TGATGAGTTA TGGCAGGATG GAGTGTGCCC 4440  
 ATCAGTATCA AATCCTTTAG AAGTTTACCT CATTCCCACA CCACCTGAAA ATATAACATT 4500  
 TGAAGACCCG TCATTAGATG TGATCCTTCT TTTAAGAGTT TTACATGCTA TCAGTCGATA 4560  
 CTGCTATTAC TTGTATGATA ATGCAATGTG CAAGGAAATT ATTCCAATA GTGAATTTAT 4620  
 TAACAGTAAG TTAACAGCAA AAGCAAATAG GCAACTTCAA GATCCTTTAG TAATCATGAC 4680  
 AGGAAACATC CCAACATGGC TTACTGAGCT AGGAAAAACC TGCCCATTTT TCTTTCCTTT 4740  
 TGATACCCGG CAAATGCTTT TTTATGTAAC TGCATTTGAT CGGGACCGAG CAATGCAAAAG 4800  
 ATTACTTGAT ACCAACCAGC AAATCAACCA GTCTGATTCT CAAGATAGCA GAGTTGCACC 4860  
 TAGATTGGAT AGAAAAAAGC GTACTGTGAA CCGAGAGGAG CTGCTGAAAC AGGCGGAGTC 4920  
 TGTGATGCAG GACCTCGGCA GCTCAGGGGC CATGTTAGAA ATCCAGTATG AAAATGAGGT 4980  
 TGGTACAGGT CTGGGGCTTA CACTGGAGTT TTATGCGCTT GTATCTCAGG AACTACAGAG 5040  
 AGCTGACTTG GGTCTTTTGA GAGGTGAAGA AGTAACTCTT AGCAATCCAA AAGGGAGCCA 5100  
 AGAAGGGACC AAGTATATTC AAAACCTCCA GGGCCTGTTT GCGCTTCCCT TTGGTAGGAC 5160  
 AGCAAAGCCA GCTCATATCG CAAAGGTTAA GATGAAGTTT CGCTTCTTAG GAAAATTAAT 5220  
 GGCCAAGGCT ATCATGGATT TCAGATTGGT GGACCTTCCC CTTGGCTTAC CTTTTTATAA 5280  
 ATGGATGCTA CGGCAAGAAA CTTCACTGAC ATCAGACGAT TTGTTTGACA TCGACCCAGT 5340  
 TGTAGCCAGA TCAGTTTATC ACCTAGAAGA CATGTGCAGA CAGAAGAAAA GACTTGAACA 5400  
 AGATAAATCC CAGACCAAAG AGAGTCTACA GTATGCATTA GAAACCTTGA CTATGAATGG 5460  
 CTGCTCAGTT GAAGATCTAG GACTGGATTT CACTCTGCCA GGGTTTCCCA ATATCGAACT 5520  
 GAAGAAAGGA GGAAGGATA TACCAGTCAC TATCCACAAT TTAGAGGAGT ATCTAAGACT 5580  
 GGTATATTC TGGGCACTAA ATGAAGGCGT TTCTAGGCAA TTTGATTCTG TCAGAGATGG 5640  
 ATTTGAATCA GTCTTCCAC TCAGTCATCT TCAGTACTTC TACCCGGAGG AACTGGATCA 5700  
 GCTCCTTTGT GGCAGTAAAG CAGACACTTG GGATGCAAAAG AACTGATGG AATGCTGTAG 5760  
 GCCTGATCAT GGTATACTC ATGACAGTCG GGCTGTGAAG TTTTGTGTTG AGATTCTCAG 5820  
 TAGTTTGTAT AATGAGCAGC AGAGGTTATT TCTCCAGTTT GTGACTGGTA GCCCAAGATT 5880  
 GCCTGTTGGA GGATTCCGGA GTTTGAATCC ACCTTTGACA ATTGTCCGAA AGACGTTTGA 5940  
 ATCAACAGAA AACCAGATG ACTECTTGCC CTCTGTAATG ACTTGTGTGA ACTATCTTAA 6000  
 GTTGCCGGAC TATTCAAGCA TTGAGATAAT GCGTGAAAAA CTGTTGATAG CAGCAAGAGA 6060  
 AGGGCAGCAG TCGTTCCATC TTTCTGATT ATAGCAAGAA ATGCAGTGTC TGCCTGTTAC 6120  
 AGCAAAGAA ACAATCATG ATTTCTTTTC TAATGTTATC ACCTGAGTCA AGGAAACATG 6180  
 TTACGCCTTC TTGTTGTAGG AAAACGGCT TGCAGATTAT AAAGAGACAT TTGGTTGATA 6240  
 TTCATTAATG GCCCCATGGA CTTAAAGTGA TCAGGCCCTA AAACGTTGTT GTGATGAGGT 6300  
 TTCTTTAGCA AGTTCCTGTT TAAATTATCA TTTATTTGAT GAGTGAAGTT TTTAACATGC 6360  
 TTTGCTGTGT GAAATTTAAA AAAGGGATGT TTTTCCAGGC TGGAAACAATA AATGTGGCTG 6420  
 TGCAGTTT

Name: 281

Len: 1266 Check: 1DDC

GCGGTCGGA GGGCTCCTAG TGCGCCAGGT TGTGGGAAGT GAGGCTGGCG GTGGCGACAA 60  
 CCGAGGAGGA GGGGCGGGAC GGTGGAGCAC GGACCGGCTG AGCGTCATGG AGGGCTCAGG 120  
 GGAGCAGCCG GGGCCACAAC CACAGCATCC CGGAGACCAC CGCATCCGCG ACGGCGACTT 180  
 CSTGGTGCTG AAACGTGAAG ATGTGTTTAA AGCAGTACAA GTCCAGCGGA GAAAAAAGT 240  
 AACTTTGCGAA AAACAGTGGT TCTACCTGGA TAACGTCATT GGCCATAGTT ATGGAAGTGC 300  
 ATTTGAAGTG ACCAGTGGAG GAAGTCTACA GCCCAAGAAG AAGAGGGAAG AGCCTACTGC 360  
 AGAGACTAAA GAAGCGGGCA CTGATAATCG AAATATAGTT GATGATGGGA AATCTCAGAA 420  
 ACTTACTCAA GATGACATAA AAGCTTTGAA GGACAAGGGC ATTAAGGAG AGGAAATAGT 480  
 TCAGCAGTTA ATTGAAAAATA GTACAACATT CCGAGACAAG ACAGAATTTG CCCAAGATAA 540  
 ATATATTAATA AAGAAGAAAA AAAAATATGA AGCCATCATT ACTGTTGTGA AGCCATCCAC 600  
 CCGTATTCTT TCAATTATGT ATTATGCAAG AGAACCTGGA AAAATTAACC ACATGAGATA 660  
 CGATACACTA GCCCAGATGT TGACGTTGGG AAATATCCGT GCTGGCAACA AATGATTGT 720  
 GATGGAAACG TGTGCAGGCT TGGTGCTGGG TGCAATGATG GAACGAATGG GAGGTTTTGG 780

67

CTCCATTATT	CAGCTATACC	CTGGAGGAGG	ACCTGTTCCG	GCAGCAACAG	CATGTTTTGG	840
ATTTCCCAAA	TCTTTTCTCA	GTGGTCTTTA	TGAATTCCTT	CTCAACAAAG	TGGACAGTCT	900
TCTACATGGA	ACATTTTCTG	CCAAGATGTT	ATCTTCAGAG	CCAAAAGACA	GTGCTTTGGT	960
TGAAGAAAGT	AATGGCACAC	TGGAGGAAAA	ACAGGCTTCT	GGGCAAGAGA	ATGAAGACAG	1020
CATGGCAGAG	GGCCAGAGA	GCAACCACCC	AGAAGACCAG	GGAAACAATG	GAAACAATTG	1080
CTCAAGATCC	AGAACATAAG	GGGCCTAAAG	AGAGAGGAAG	CAAAAAGAT	TATATTTTCA	1140
GGAAAAACAG	AGGGAGACAA	GGAAGGAGCA	GCGGAAAAAG	CTTTTGGGGC	TGCCGTTTTG	1200
CTTAGCTTGA	AAGGAAACGC	CGATGGTTTT	ATTTGTTAGC	TGTTTCTTTT	CCACCCCAT	1260
TCTCCT						1266

Name: 282

Len: 3962 Check: E05

AGGAATTCCG	GTGAGCTGAG	CGCGCGCGCG	GGCGGGGCGG	GGGAGCGGGC	GCGCCGGCGG	60
CCTCAGCATG	GAGGACGGCT	TCTCCAGCTA	CAGCAGCCTG	TACGACACGT	CCTCGCTGCT	120
CCAGTTCTGC	AACGATGACA	GCGCTTCTGC	TGCAAGTAGC	ATGGAGGTGA	CAGACCGCAT	180
TGCTTCACTG	GAGCAGAGAG	TCCAGATGCA	AGAAGACGAC	ATCCAGCTGC	TCAAATCAGC	240
TCTAGCTGAT	GTGGTTCCGG	GGCTGAACAT	TACTGAGGAA	CAGCAGGCCG	TGCTTAACAG	300
GAAAGGACCT	ACCAAAGCAA	GACCACTGAT	GCAGACCCTG	CCTTTTAGAT	CCACGGTCAA	360
CAATGGCACT	GTGTTACCAA	AGATACCTAC	TGGCTCTCTA	CCATCCCCCT	CCGGGTTCAG	420
GAAAGATACT	GCTGTGCCAG	CAACCAAAAG	TAACATCAAG	AGGACCAGCT	CTTCTGAACG	480
AGTGTCTCCT	GGGGGTGCGA	GGGAAAGCAA	TGGGGATTCC	AGAGGAAACC	GGAATCGCAC	540
AGGCTCCACC	AGCAGCTCTT	CCAGTGGCAA	AAAAGAACAG	TGAAAGCAAA	CCCAAGGAGC	600
CTGTATTGAG	TGCAGAAGAA	GGCTATGTAA	AATTGTTTCT	TGCTGGACGC	CCTGTTACCA	660
TGTACATGCC	CAAGATCAA	GTGGATTCTT	ACAGCTTGGG	AGCAAAAGTA	GAACTTCCAA	720
CCAAGAGACT	CAAGCTGGAA	TGGGTCTATG	GGTACAGGGG	TGAGACTGCT	CGTAACAACC	780
TGTACTTGCT	TCCGACGGGA	GAGACCGTCT	ACTTCATCGC	ATCCGTGGTG	GTGTTATACA	840
ACGTGGAGGA	GCAACTGCAG	AGGCATTACG	CTGGCCACAA	CGATGACGTG	AAGTGCTTAG	900
CAGTTCATCC	TGATCGGATC	ACGATAGCAA	CAGGACAAGT	TGCGGGCACA	TGGAAGGATG	960
GAAAACAATT	GGCCCCACAT	GTGCGCATCT	GGGATTCTGT	GACATTGAAT	ACTCTCCACG	1020
TCATTGGAAT	AGGTTTTTTT	GACCGAGCAG	TCACCTGTAT	TGCATTCTCA	AAATCTAATG	1080
GAGGAACCAA	TCTCTGTGCT	GTGGATGACT	CCAACGACCA	TGTGCTCTCT	GTATGGGACT	1140
GGCAGAAAGA	AGAAAACTA	GCAGATGTGA	AGTGCTCTAA	TGAAGCTGTG	TTTGCTGCGG	1200
ATTTCCACCC	CACGGACACC	AACATCATAG	TTACTTGTGG	AGPAATCACA	TCTCTACTTT	1260
TGGACACTAG	AAGGAAGCTC	CCATTAAATA	GAAGCAAGGA	TTATTCGAGA	ACAAGAAAAA	1320
CCAAAGTTGT	CCTCTGTGTG	ACTTCTCTTG	AAAACGGTGA	CACCATTACT	GGAGATTCAA	1380
GTGGCAACAT	CTTAGTATGG	GGAAAAGGTA	CAATTCGAAT	AAGCTATGCA	GTTCAGGGGG	1440
CCCATGAGGG	TGGCAATTTCT	CCACTTTGTA	TGTTAAGAGA	TGGCACACTG	GTGTCGGGAG	1500
GTGGGAAAGA	CCGAAAGCTC	ATTTCTTGGA	GCGGAAACTA	TCAAAACTTT	CGTAAACCGG	1560
AGATTCCAGA	ACAGTTTGGT	CCAATACGGA	CAGTGGCCGA	GGGGAAAGGC	GATGTGATCT	1620
TGATTGGCAC	AACTCGAAAC	TTTGTCTGTC	AGGGCACTCT	GTCAGGGGAC	TTACACCCCA	1680
TTACTCAGGG	TCACACTGAT	GAGCTCTGGG	GACTGGCCAT	CCATGCCTCA	AAACCTCAGT	1740
TCTTGACCTG	TGGGCATGAC	AAGCATGCCA	CTCTCTGGGA	CGCTGTGGGT	CACCGTCCCC	1800
TCTGGGACAA	AATAATAGAG	GATCCAGCTC	AGTCTTCTGG	TTTTCATCCT	TCAGGGTCTG	1860
TGGTTGCAGT	CGGAACACTC	ACTGGGAGGT	GGTTTGTGTT	TGACACAGAA	ACAAAAGACT	1920
TGGTCACCGT	TCACACAGAT	GGAAACGAAC	AGCTCTCTGT	AATGCGATAC	TCACCAGATG	1980
GGAATTTCTT	AGCCATAGGC	TCACATGACA	ACTGCATCTA	TATATATGGC	GTTAGTGACA	2040
ACGGGAGGAA	GTACACGCGA	GTGGGCAAGT	GCTCGGGTCA	TTCCAGCTTC	ATTACTCACC	2100
TGGACTGGTC	TGTAACCTCA	CAGTTCTCTG	TGTCAAATTC	CGGAGACTAC	GAAATCCTCT	2160
ACTGGGTTC	CTCTGCCTGT	AAGCAAGTCG	TAAGTGTGGA	AACTACAAGA	GACATTGAAT	2220
GGGCTACCTA	TACCTGCACT	TTGGGATTCC	ATGTTTTTGG	AGTGTGGCCA	GAAGGCTCGG	2280
ACGGAACCGA	CATCAATGCC	GTCTGTGCGG	CCCATGAGAA	GAAACTCCTG	TCAACAGGGC	2340
ACGACTTTGG	CAAGTGCAC	CTCTTCTCAT	ACCCCTGCTC	GCAGTTCAGG	GCTCCAAGCC	2400
ACATCTACGG	CGGGCACAGC	AGCCATGTCA	CCAATGTGCA	TTTCTCTGTT	GAAGACAGCC	2460
ACCTCATCTC	CACGGGCGGG	AAAGACACAA	CATCATGCA	GTGGCGCGTC	ATTTAGTACC	2520
CACCGAGAGC	TGTGGGGAGC	AGCATGGGCA	AGGAAGACAC	AGACTCGCAT	TACCCCTGGT	2580
CACGTGTGAT	TCTGTTTTGT	TTAAAAAATT	CTTACAAACC	TCAGGAAAAC	TGTGCCCTCC	2640
GCCGGCTACC	TTAGCTTAGC	GTGTCAGCGG	GCGCCACAGC	GGAAATCAGC	GTTCCGTGTT	2700
CACTTTTGTT	GTACAATATA	TGACACAGTG	CACATTGAAT	ACCAACAAGG	TTGCAACCTT	2760
TACATTATAG	CCACATCAAC	AGAAGTAACT	GGGTATATTC	TTAGTAACTT	TTCTATGGAA	2820
CTCTTCAAAA	ATGGGTACAA	GGATGGCCTT	TTAAACATT	GTATATTATC	TTCACTGTTT	2880
TCACCTTTTA	GGTTGCTAAG	TTCAATATTT	ATGATGATAA	TGAGGTACTG	AACCACGATG	2940
GCTGTTGAG	AATTGGTCTT	AAAAGGACAG	ATCACTTCAG	AAGAGTGAAT	AACTGATTTG	3000
CACAGCTGAA	TCAGGAGACA	CAAAGATGAG	ACTGTGTTTG	GTTACATTTT	CCAAAGTTTC	3060
ATTGCAATTCT	CCCTTGGGGA	GGCTGTGAGA	GAGGGCTTGT	ATCCCTCTTG	TGCTAAGCAG	3120
ACTCTACTCC	TAAGTGAATT	CAATATTTCA	GCAGGGTACA	CAGGCGTTTC	CAAGTTTCAG	3180

68

TGACACCGTC	CTGCCTAACC	AGATGCGGTC	AGCCTCTTCA	CACCCACCTG	GCTTGCATCC	3240
CCCATCCCTT	GTTACACGCG	CCTGATTTCAC	GGTGAGACAT	TTTGCCACCT	TCTTGTGTAT	3300
ATTACTTGGC	ATGAGATGAT	ATTGTACTTG	TATAGGATTC	TAGCAATTCA	TAATAAATAT	3360
GTAAGACTAG	GCTTTACTGT	CTTATGCTTA	TGGACATTGT	ATATTTGTAT	TTTATGACCA	3420
AGTAGACCAA	GTCAGAAAGA	TCTCTCTCGA	GCGCACCATA	AACCTGCAGA	GAGAAGTCTC	3480
GAAAGGCTCC	ACCAAGGTAC	CAAGGGCAGC	TGCTTTTCTT	GTCTTTTGTG	CATGGGCGAC	3540
CCATTACAGT	ATGAGATAAG	ATTGAGTTCT	GATGCGTTAA	ACGGAGGTGG	CAGAAATTTG	3600
TCAAGAAGGC	CTTATCCATT	TGGATTGTGT	GACAGATTGA	AATTTATTGT	TTACATTGGG	3660
GAATGTATCT	CAAATTTTTA	AATAGAAGAG	TAATAAACAG	ACTTTAAAGC	AAATATTAAAG	3720
ATTTTTACTC	ATTCAAGGCA	AGTAAATGAA	TGGAATTATC	TGAGCTCTAT	GGCACTGGTT	3780
GTTTAGAGTG	ACTGATGAAG	TGCACCTTTC	AAAAACATTT	TTGATGCCAT	CACCAGCCTA	3840
CTCCAGAAGT	GCAGGGCACA	GTAAACACCA	TGTATTATTG	AAGATGATCT	GTTTTGTATG	3900
TATCCTTGTC	AAATATATTC	TATAATGGAA	TAAAAAATCC	TGGAAAGTGG	GGGTTTCCTT	3960
AA						3962

Name: 283

Len: 1687 Check: 82D

ATGGATGGAT	TTTATGACCA	GCAAGTGCCT	TACATGGTCA	CCAATAGTCA	GCGTGGGAGA	60
AATTGTAAAG	AGAAACCAAC	AAATGTCAGG	AAAGAGAAAT	TCATTAACAG	AGATCTGGCT	120
CATGATTACG	AAGAACTCTT	TCAAGATCTA	AGTCAATTAC	AGGAAACATG	GCTTGCAGAA	180
GCTCAGGTAC	CTGACAATGA	TGAGCAGTTT	GTACCAGACT	ATCAGGCTGA	AAGTTTGGCT	240
TTTCATGGCC	TGCCACTGAA	AATCAAGAAA	GAACCCACCA	GTCCATGTTC	AGAAATCAGC	300
TCTGCCTGCA	GTCAGAACA	GCCCTTTAAA	TTCAGCTATG	GAGAAAAGTC	CCTGTACAAT	360
GTCAGTGCCT	ATGATCAGAA	CCCACAAGTG	GGAATGAGGC	CCTCCAACCC	CCCCACACCA	420
TCCAGCAGCG	CAGTGTCCCC	ACTGCATCAT	GCATCTCCAA	ACTCAACTCA	TACACCGAAA	480
CCTGACCGGG	CCTTCCCAGC	TCACCTCCCT	CCATCGCAGT	CCATACCAGA	TAGCAGCTAC	540
CCCATGGACC	ACAGATTTCT	CCGCCAGCTT	TCTGAACCCCT	GTAACTCCTT	TCCTCCTTTG	600
CCGACGATGC	CAAGGGAAGG	ACGTCTCTAT	TACCAACGCC	AGATGTCTGA	GCCAAACATC	660
CCCTTCCCAC	CACAAGGCTT	TAAGCAGGAG	TACCACGACC	CAGTGTATGA	ACACAACACC	720
ATGGTTGGCA	GTGCGGCCAG	CCAAA3CTTT	CCCCCTCCTC	TGATGATTAA	ACAGGAACCC	780
AGAGATTTTG	CATATGACTC	AGAAGTGCCT	AGCTGCCACT	CCATTTATAT	GAGGCAAGAA	840
GGCTTCTTGG	CTCATCCCAG	CAGAACAGAA	GGCTGTATGT	TTGAAAAGGG	CCCCAGGCAG	900
TTTTATGATG	ACACCTGTGT	TGTCCCAGAA	AAATTCCGATG	GAGACATCAA	ACAAGAGCCA	960
GGAATGTATC	GGGAAGGACC	CACATACCAA	CGGCGAGGAT	CACTTCAGCT	CTGGCAGTTT	1020
TTGGTAGCTC	TTCTGGATGA	CCCTTCAAAT	TCTCATTTTA	TTGCCTGGAC	TGGTCGAGGC	1080
ATGGAATTTA	AACGTATTGA	GCCTGAAGAG	GTGGCCCGAC	GTTGGGGCAT	TCAGAAAAAC	1140
AGGCCAGCTA	TGAACATGTA	TAAACTTAGC	CGTCACTCC	GCTATTACTA	TGAGAAAGGA	1200
ATTATGCAAA	AGGTGGCTGG	AGAGAGATAT	GTCTACAAGT	TTGTGTGTGA	TCCAGAAGCC	1260
CTTTTCTCCA	TGGCCTTTCC	AGATAATCAG	CGTCCACTGC	TGAAGACAGA	CATGGAACGT	1320
CACATCAACG	AGGAGGACAC	AGTGCCTCTT	TCTCACTTTG	ATGAGAGCAT	GGCCTACATG	1380
CCGGAAGGGG	GCTGCTGCAA	CCCCACCC	TACAACGAAG	GCTACGTGTA	TTAACACAAG	1440
TGACAGTCAA	GCAGGGCGTT	TTTTGCGCTT	TTCTTTTTTT	CTGCAAGATA	CAGAGAATTG	1500
CTGAATCTTT	GTTTTATTTT	TGTTGTTGAT	ATTTATTTTT	AAATAATAAT	ACACAAAAAG	1560
GGGCTTTTCC	TGTTGCATTA	TTCTATGGTC	TGCCATGGAC	TGTGCACTTT	ATTTGAGGGT	1620
GGGTGGGAGT	AATCTAAACA	TTTATTCTGT	GTAACAGGAA	GCTAATGGGT	GAATGGGCAG	1680
AGGGATT						1687

Name: 284

Len: 3787 Check: 1213

GCGGCCGCTC	GGCGGCCGGG	GGTCCCTTCG	GTGGGGCCGC	GGCTCCCCGC	CCGCCGCCCC	60
CGCGCGTCCA	TTGCTTTTGT	GTCCCGCGCG	CGGCCGGGCC	CCCCGCGCAC	TCTCAGCCCT	120
GCGCCCCGCG	GCCCCGGCGG	CGGCTCCCGG	CGCGGCCCCA	GCAGCCCGCG	CCGGCATTGT	180
GTGGACGCGC	CCGGCCGCGA	GCGCGCGCGC	GGGCCCTGCC	GAGCGCCCCC	GGCCCCGTCC	240
GCTCCGGGCG	CGGCGCCCCG	GCCCGCCGCC	CCCGCCGCC	TCGCCGCGCG	GCCCCCGGCC	300
CGGCCCGGCC	CGACCCGGGC	AGCGCAGCGG	CGGGGCGAGC	GGCGGCGCGG	CAACATGGCG	360
ACGGTGCCCC	TGTACTGCGT	CTGCCGGCTG	CCCTACGACG	TTACCCGCTT	TATGATCEAG	420
TCCGATGCCT	GCAAGGACTG	GTTCCACGGC	AGTGTGTGTG	GGGTGGAAGA	GGAGAGGCA	480
CGAGACATCG	ACATTTACCA	CTGCCCGAAC	TGCGAGAAAA	CCCATGGCAA	GTCCACACTC	540
AAGAAAAAGC	GGACTTGGCA	CAAAACACGG	CCTGGGCCAA	CACCGGACGT	GAAACCAGTG	600
CAGAATGGCA	GTCAGCTGTT	CATCAAGGAG	CTGCGGAGCC	GAACCTTCCC	CAGTGCTGAA	660
GACGTGGTGT	CCCGTGTGCC	AGGTAGCCAG	CTCACCCTGG	GCTACATGGA	GGAGCATGGC	720
TTCATGAGC	CCATCCTTGT	CCCCAAGAAA	GATGGCCTGG	GCTTAGCTGT	CCCTGCCCCA	780
ACATTCTACG	TGAGTGACGT	CGAGAACTAC	GTGGGGCCGG	AACGGAGTGT	GGATGTGACA	840
GATGTCACCA	AGCAGAAGGA	CTGCAAGATG	AAGCTGAAGG	AGTTTGTGGA	CTATTACTAC	900
AGCACCAACC	GCAAGCGGGT	CCTCAACGTC	ACCAACCTCG	AGTTCTCTGA	CACCCGAATG	960
TCCAGCTTCG	TGGAGCCACC	TGACATTGTA	AAGAACTGT	CATGGGTAGA	AAACTACTGG	1020
CCAGATGATG	CATTGCTGGC	CAAGCCCCAA	GTGACCAAGT	ACTGCCTAAT	CTGCGTGAAG	1080

69

GACAGTTACA	CCGACTTCCA	CATCGACTCT	GGGGGCGCCT	CTGCCTGGTA	CCACGTGCTC	1140
AAGGGGGAGA	AGACCTTCTA	TCTCATCAGG	CCGGCCTCGG	CCAACATCTC	CCTGTATGAG	1200
CGCTGGCGGT	CTGCCTCTAA	CCACAGCGAG	ATGTTCTTTG	CTGACCAGGT	CGACAAATGC	1260
TACAAGTGCA	TCGTCAAGCA	GGGCCAGACC	CTCTTCATCC	CCTCAGGCTG	GATCTACGCC	1320
ACACTCACCC	CTGTGGACTG	CCTGGCCTTC	GCGGGACATT	TCCTCCACAG	CCTGAGTGTG	1380
GAGATGCAGA	TGAGAGCATA	CGAGGTGGAA	AGGAGGTTGA	AACTTGSCAG	CCTGACTCAG	1440
TTTCCCAACT	TTGAACTGTC	GTGCTGGTAC	ATGGGAAAGC	ACCTATTGGA	GGCGTTCAAA	1500
GGTTCTCACA	AGTCTGGGAA	GCAGCTGCCC	CCACATCTAG	TCCAAGGAGC	TAAAATTCTC	1560
AATGGTGCTT	TCCGATCGTG	GACGAAGAAG	CAGGCTTTGG	CAGAGCATGA	GGACGAGCTC	1620
CCGGAGCACT	TCAAACCTTC	ACAGCTAATC	AAGGACCTGG	CCAAAGAGAT	CCGGCTCAGT	1680
GAGAATGCCT	CCAAAGCCGT	CCGACCGGAA	GTGAATACTG	TCGCTCGTTC	AGATGAGGTG	1740
TGTGACGGGG	ACCGGGAGAA	GGAGGAGCCC	CCGTCTCCCA	TTGAGGCCAC	CCCGCTCAA	1800
TCCCTCCTGG	AGAAAGTGTC	CAAAAAAAG	ACTCCCAAAA	CTGTGAAGAT	GCCCAAGCCA	1860
TCCAAAATCC	CCAAGCCCCC	GAAGCCCCCT	AAGCCCCCAA	GGCCCCCCAA	AACGCTGAAG	1920
CTCAAAGATG	GAGGCAAGAA	GAAAGGGAAG	AAGTCCCGGG	AGTCAGCCTC	ACCCACCATC	1980
CCCAACCTGG	ACCTGCTCGA	AGCCACACCC	AAGGAGGCAC	TGACCAAGAT	GGAGCCGCCC	2040
AAGAAGGGCA	AGGCCACAAA	GAGTGTCTCT	AGTGTGCCCA	ACAAAGATGT	GGTTCACATG	2100
CAGAATGATG	TGGAGAGSCT	GGAAATTCCA	GAGCAAACAA	AGAGCAAGTC	AGAAGCCAA	2160
TGGAAATACA	AGAACAGCAA	ACCTGACTCG	TTACTGAAGA	TGGAGGAGGA	GCAGAGGCTG	2220
GAGAASTGCG	CCCTGGCTGG	GAACAAGGAC	GAATTTCTCT	TTTCTTTCTC	CAACAGAAAA	2280
CTCTGGGCT	CCAAGGCCCT	CAGGCCCCCG	AGCAGCCCTG	GTGTGTTCTG	CGCTTGCAG	2340
AGCTTCAAGG	AGGACAAGGC	CAAGCCCGTG	CGCGATGAGT	ATGAGTACGT	ATCAGATGAT	2400
GGGGAGCTGA	AGATAGACGA	GTTTCCCATC	AGGAGGAAGA	AGAGCGCCCC	CAAAAGGGAC	2460
TTGTCTTTCT	TGTTAGACAA	GAAGGAGGCT	CTCCTCATGC	CCACCTCGAA	GCCAAAGCTG	2520
GATTCTGCGG	TGTACAAGAG	CGATGACTCC	TCTGACGAGG	GCTCTCTGCA	CATCGACACG	2580
GACACCAAGC	CAGGCAGAAA	TGCCAAAGTG	AAGAAGGAGA	GTGGGAGCTC	CGCGGCCGGC	2640
ATCCTGGACC	TGCTGCAGGC	CAGCGAGGAG	GTTGGCGCAC	TCGAGTACAA	CCCCAACAGC	2700
CAGCCCCCTG	CCTCCCCCAG	CACACAGGAA	GCCATTCCAG	GAATGCTCTC	CATGGCCAAT	2760
CTGCAGGCCCT	TGACTCTTG	CCTGCAGACC	ACCTGGGGCA	CGGGGCAGGC	CAAGGGTGGC	2820
TCACTGGCAG	CCCATGGTGC	CCGGAAGATT	GGTGGTGGCA	ACAAAGGCAC	AGGCAAGCGC	2880
CTGCTGAAGA	GGACTGCCAA	GAACAGTGTG	GATCTGGAGG	ACTACGAGGA	GCAGGATCAC	2940
CTGGATGCCT	GCTTCAAGGA	CTCAGACTAT	GTTTACCCCT	CACTGGAGTC	TGACGAAGAT	3000
AACCCCGTCT	TCAAGTCCCG	GTCAAAGAAG	AGGAAAGGCT	CAGACGATGC	TCCGTACAGC	3060
CCCACAGCCA	GGGTGCGTCC	ATCGGTGCCA	AGACAASACA	GGCCTGTGCG	TGAGGGGACC	3120
AGAGTGGCCT	CCATTGAGAC	GGGGCTGGCA	GCTGCTGCAG	CCAAGCTGTC	CCAGCAGGAG	3180
GAGCAGPAAA	ACAGGAAGAA	GAAGAACACC	AAAAGGAAGC	CGGCTCCTAA	CACTGCCTCC	3240
CCCTCCATCT	CCACCTCTGC	CTCCGCCTCC	ACGGGTACCA	CCTCGGCCCTC	CACCACCCCA	3300
GCATCCACCA	CCCCGGCCTC	CACCACCCCA	GCATCCACCA	CCCCGGCCTC	CACCAGCACA	3360
GCCAGCAGCC	AGGCCTCACA	GGAGGGCAGC	TCACCTGAGC	CCCCACCTGA	ATCACACAGC	3420
AGTAGCCTGG	CTGACCACGA	ATATACAGCA	GCCGGCACAT	TCTCGGGGTC	CCAGGCTGGC	3480
CGTGCCTCCC	AGCCCATGGC	CCCTGGAGTC	TTTCTCACAC	AGAGGCGGCC	TTCTGCATCA	3540
TCCCCCAACA	ACACTGCTGC	CAAAGGAAAA	CGTACAAAAA	AGGGCATGGC	CACCGCCAAG	3600
CAAAGGCTTG	GAAAGATCTT	GAAGATCCAT	CGGAATGGGA	AACTGCTCCT	CTAAGGCTTG	3660
GAAAGCCAGG	ATCCTTCTGA	TATGCTAAGG	ACCCCGGAG	CCCCGCTACA	TCAGCCCCCTC	3720
CCAGGACGGT	GGCTGTGCCG	CCTGGCCCCG	GGAGGGCTTG	CTTCATTCCG	ACCAATTTTC	3780
CAATCAA						3787

Name: 285

Len: 3986 Check: 12AD

AGGAGAGAAG	AAATTGAAAA	GCAGGCACTT	GAGAAGTCTA	AGAGAAAGCTC	TAAGACGTTT	60
AAGGAAATGC	TGCAGGACAG	GGAATCCCAA	AATCAAAAGT	CTACAGTTCC	GTCAAGAAGG	120
AGAATGTATT	CTTTTGATGA	TGTGCTGGAG	GAAGGAAAGC	GACCCCTAC	AATGACTGTG	180
TCAGAAGCAA	GTTACCAGAG	TGAGAGAGTA	GAAGAGAAGG	GAGCAACTTA	TCCTTCAGAA	240
ATTCCCAAAG	AAGATTCTAC	CACTTTTGCA	AAAAGAGAGG	ACCCGTGTAA	CAACTGAAAT	300
TCAGCTTCCT	TCTCAAAGTC	CTGTGGAAGA	ACAAAGCCCA	GCCTCTTTGT	CTTCTCTGCG	360
TTCACGGAGC	ACACAAATGG	AATCAACTTG	TGTTTCAGCT	TCTCTCCCA	GAAGTTACCG	420
GAAAATCTAT	ACAGTCAGGT	TAACATCTGT	GGTCACACCA	AGACCTTTG	GCTCTCAGAC	480
AAGGGGAATC	TCATCACTCC	CCAGATCTTA	CACGATGGAT	GATGCTTGGG	AGTATAATGG	540
AGATATTGAA	GACATTAAGA	GAACCTCAA	CAATGTGGTC	AGCACCCCTG	CACCAAGCCC	600
GGACGCAAGC	CAACTGGCTT	CAAGCTTATC	TAGCCAGAAA	GAGGTAGCAG	CAACAGAAGA	660
AGATGTGACA	AGGCTGCCCT	CTCCTACATC	CCCCTTCTCA	TCTCTTTCCC	AAGACCAGGC	720
TGCCACTTCT	AAAGCCACAT	TGTCTTCCAC	ATCTGGTCTT	GATTTAATGT	CTGAATCTGG	780
AGAAGGGGAA	ATCTCCCCAC	AAAGAGAAGT	CTCAAGATCC	CAGGATCAGT	TCAGTGATAT	840
GAGAATCAGC	ATAAACCAGA	CGCCTGGGAA	GAGTCTTGAC	TTTGGGTTTA	CAATAAAATG	900
GGATATTCTT	GGGATCTTCG	TAGCATCAGT	TGAAGCAGGT	AGCCCAGCAG	AATTTTCTCA	960

70

GCTACAAGTA GATGATGAAA TTATTGCTAT TAACAACACC AAGTTTTTCAT ATAACGATTC 1020  
 AAAAGAGTGG GAGGAAGCCA TGGCTAAGGC TCAAGAACT GGACACCTAG TGATGGATGT 1080  
 GAGGCGCTAT GGAAAGGCTG GTTCACCTGA AACAAAGTGG ATTGATGCAA CTTCTGGAAT 1140  
 TTACAACCTCA GAAAAATCTT CAAATCTATC TGTAACAACCT GATTTCTCCG AAAGCCTTCA 1200  
 GAGTTCTAAT ATTGAATCCA AAGAAATCAA TGGAATTCAT GATGAAAGCA ATGCTTTTGA 1260  
 ATCAAAAGCA TCTGAATCCA TTTCTTTGAA AAACCTAAAA AGGCGATCAC AATTTTTTGA 1320  
 ACAAGGAAGC TCTGATTCCG TGGTTCCTGA TCTTCCAGTT CCAACCATCA GTGCCCCGAG 1380  
 TCGCTGGGTG TGGGATCAAG AGGAGGAGCG GAAGCGGCAG GAGAGGTGGC AGAAGGAGCA 1440  
 GGACCGCCTA CTGCAGGAAA AATATCAACG TGAGCAGGAG AAACCTGAGG AAGAGTGGCA 1500  
 AAGGGCCAAA CAGGAGGCG AGAGAGAGAA TTCCAAGTAC TTGGATGAGG AACTGATGGT 1560  
 CCTAAGCTCA AACAGCATGT CTCTGACCAC ACGGGAGCCC TCTCTTGCCA CCTGGGAAGC 1620  
 TACCTGGAGT GAAGGGTCCA AGTCTTCAGA CAGAGAAGGA ACCCGAGCAG GAGAAGAGGA 1680  
 GAGGAGACAG CCACAAGAGG AAGTTGTTCA TGAGGACCAA GGAAAGAAGC CGCAGGATCA 1740  
 GCTTGTTATT GAGAGAGAGA GGAAATGGGA GCAACAGCTT CAGGAAGAGC AAGAGCAAAA 1800  
 GCGGCTTCAG GCTGAGGCTG AGGAGCAGAA GCGTCTGCG GAGGAGCAGA AGCGCCAGGC 1860  
 AGAGATAGAG CGGGAACAT CAGTCAGAAT ATACCAGTAC AGGAGGCCTG TTGATTCCCTA 1920  
 TGATATACCA AAGACAGAAG AAGCATCTTC AGGTTTTCTT CCTGGTGACA GGAATAAATC 1980  
 CAGATCTACT ACTGAACCTG ATGATTACTC CACAAATAAA AATGGAAACA ATAAATATT 2040  
 AGACCAAAAT GGGAAACACGA CCTCTTCACA GAGGAGATCC AAGAAAGAAC AAGTACCATT 2100  
 AGGAGCAGAA TTGGAGAGGC AACAAATCCT TCAGGAAATG AGGAAGAGAA CACCCCTTCA 2160  
 CAATGACAAC AGCTGGATCC GACAGCGCAG TGCCAGTGT CACAAAGAGC CTGTTAGTCT 2220  
 TCCTGGGATC ATGAGAAGAG GCGAATCTTT AGATACCTG GACTCCCCC GATCCAATT 2280  
 TTGGAGACAG COTCCTTGGC TCAATCAGCC CACAGGATTC TATGCTTCTT CCTCTGTGCA 2340  
 AGACTTTAGT CGCCCAACCAC CTCAGCTGGT GTCCACATCA AACCGTGCCT ACATGCGGAA 2400  
 CCCCTCCTCC AGCGTGCCCC CACCTTCAGC TGGCTCGGTG AAGACCTCCA CCACAGGTGT 2460  
 GGCCACCACA CAGTCCCCCA CCCCAGAGAAG CCATTCCCCT TCAGCTTCAC AGTCAGGCTC 2520  
 TCAGCTGCGT AACAGGTGAG TCAGTGGGAA GCGCATATGC TCCTACTGCA ATAACATTCT 2580  
 GGGCAAAGGA GCCGCCATGA TCATCGAGTC CCTGGGTCTT TGTTATCATT TGCATTGTTT 2640  
 TAAGTGTGTT GCCTGTGAGT GTGACCTCGG AGGCTCTTCC TCAGGAGCTG AAGTCAGGAT 2700  
 CAGAAACCAC CAACGTACT GCAACGACTG CTATCTCAGA TTCAAATCTG GACGGCCAAC 2760  
 CGCCATGTGA TGTAAGCCTC CATACGAAAG CACTGTGCA GATAGAAGAA GAGGTGGTTG 2820  
 CTGCTCATGT AGATCTATAA ATATGTGTTG TATGTCTTTT TTGCTTTTTT TTTAAAAAA 2880  
 AGAATAACTT TTTTTCCTC TTTAGATTAC ATAGAAGCAT TGTAGTCTTG GTAGAACCAG 2940  
 TATTTTTGTT GTTTATTTAT AAGGTAATTG TGTGTGGGGA AAAGTGCAGT ATTTACCTGT 3000  
 TGAATTCAGC ATCTTGAGAG CACAAGGGAA AAAATAAGAA CCTACGAATA TTTTGTAGGC 3060  
 AGATAATGAT CTAGTTTGAC TTTCTAGTTA GTGGTGTGTT GAAGAGGGTA TTTTATTGTT 3120  
 TTTTAAAAAA AGGTTCTTAA ACATTATTTG AAATAGTTAA TATAAATACA TAATTGCATT 3180  
 TGCTCTGTTT ATTGTAATGT ATTCTAAAT AATGCAGAAC CATATGGAAA ATTTCAATAA 3240  
 AATCTATCCC CAAATGTGCT TTCTGTATCC TTCCTTCTAC CTATTATTCT GATTTTTAAA 3300  
 AATGCAAGTT ATGTACCATT TATTTGCTTG ATGAAGGGAG CTCTATTTTC TTTACCAGAA 3360  
 ATGTTGCTAA GTAATTCCCA ATAGAAAGCT GCTTATTTTC ATTAATGAAA AATAACCATG 3420  
 GTTTGTATAC TAGAAGTCTT CTTCAGAAAC TGGTGAGCCT TTCTGTTCOA TTGCATTTGT 3480  
 AAATAAACTT GCTGATGCAT TTAACGAGTG GGTGCTCTTT TTCTTAGGTG TATGTGTCTG 3540  
 ACCTCAGGCC TTTTAGCCAT ATTTAGTAT GTGGCTTTT TTGATGTTAT GTTTTATCCA 3600  
 GTAGCTTTAC TAAGGTATAA TTGATGTAAT AAACGTCATA TATTTAAAGT GTATACTTTG 3660  
 ACAAATTTTG ACATGGTGTA TACCTTCGAA ACTATGCCAC AGTCTGGATG TGTTTACTGA 3720  
 AACATTTTAA TAAGGAAGTT TATTTTTGAT AAAGTTATGT TTTTGGATAC AATATATTG 3780  
 TATGGTGAGA GTGATGAATT GTTGGATCAT TTGAATAAAA TCTTTTACTA ACCCCATGAT 3840  
 AAAAGGAGAA GACAACAGTG AGCTTAGAAT ATCTATAAAG CAAAAA 3886

Name: 286

Len: 3198

Check:

40E

AACCTGAATA TCCAGGTGGA GGACATTCCG ATTCGAGCCA TCCTCTCAAC CTACCGCAAG 60  
 CGCACCCAG TGATGGAGGG CTACGTGGAG GTGAAGGAGG GCAAGACCTG GAAGCAGATC 120  
 TGTGACAAGC ACTGGACGGC CAAGAATTCC CGCGTGGTCT GCGGCATGTT TGGCTTCCCT 180  
 GGGGAGAGGA CATACAATAC CAAAGTGATC AAAATGTTTG CCTCACGGAG GAAGCAGCGC 240  
 TACTGGCCAT TCTCCATGGA CTGCACCGGC ACAGAGGCC ACATCTCCAG CTGCAAGCTG 300  
 GGCCCCCAGG TGTCATGGA CCCCATGAAG AATGTCACCT GCGAGAATGG GCAGCCGGCC 360  
 GTGGTGAGTT GTGTGCTTG GCAGGTCTTC AGCCCTGACG GACCCTCGAG ATTCCGGAAA 420  
 GCATACAAGC CAGAGCAACC COTGGTGCGA CTGAGAGGCG GTGCCTACAT CGGGGAGGGC 480  
 CGCGTGGAGG TGCTCAAAAA TGGAGAGTGG GGGACCGTCT GCGACGACAA GTGGGACCTG 540  
 GTGTGCGCCA GTGTGGTCTG CAGAGAGCTG GGCTTTGGGA GTGCCAAGA GGCAGTCACT 600  
 GGCTCCCGAC TGGGGCAAGG GATCGGACCC ATCCACCTCA ACGAGATCCA GTGCACAGGC 660  
 AATGAGPAGT CCATTATAGA CTGCAAGTTC AATGCCGAGT CTCAGGGCTG CAACCACGAG 720  
 GAGGATGCTG GTGTGAGATG CAACACCCCT GCCATGGGCT TGCAGAAGAA GCTGCGCCTG 780

71

AACGGCGGCC	GCAATCCCTA	CGAGGGCCGA	GTGGAGGTGC	TGGTGGAGAG	AAACGGGTCC	840
CTTGTGTGGG	GGATGGTGTG	TGGCCAAAAC	TGGGGCATCG	TGGAGGCCAT	GGTGGTCTGC	900
CGCCAGCTGG	GCCTGGGATT	CGCCAGCAAC	GCCTTCCAGG	AGACCTGGTA	TTGGCACGGA	960
GATGTCAACA	GCAACAAAGT	GGTCATGAGT	GGAGTGAAGT	SCTCGGGAAC	GGAGCTGTCC	1020
CTGGCGCACT	GCCGCCACGA	CGGGGAGGAC	GTGGCCTGCC	CCCAGGGCGG	AGTGCAGTAC	1080
GGGGCCGGAG	TTGCCTGTCT	AGAAACCGCC	CCTGACCTGG	TCCTCAATGC	GGAGATGGTG	1140
CAGCAGACCA	CCTACCTGGA	GGACCGGCCC	ATGTTTCATG	TGCAGTGTGC	CATGGAGGAG	1200
AACTGCCTCT	CGGCCTCAGC	CGCGCAGACC	GACCCACCA	CGGGCTACCG	CCGGCTCCTG	1260
CGCTTCTCCT	CCCAGATCCA	CAACAATGGC	CAGTCCGACT	TCCGGCCCAA	GAACGGCCGC	1320
CACGCGTGGA	TCTGGCACGA	CTGTACAGG	CACTACCACA	GCATGGAGGT	GTTCAACCCAC	1380
TATGACCTGC	TGAACCTCAA	TGGCACCAAG	GTGGCAGAGG	GCCPAAAGGC	CAGCTTCTGC	1440
TTGGAGGACA	CAGAATGTGA	AGGAGACATC	CAGAAGAATT	ACGAGTGTGC	CAACTTCGGC	1500
GATCAGGGCA	TCACCATGGG	CTGCTGGGAC	ATGTACCGCC	ATGACATCGA	CTGCCAGTGG	1560
GTTGACATCA	CTGACGTGCC	CCCTGGAGAC	TACCTGTTC	AGGTGTGTAT	TAACCCCAAC	1620
TTGAGGTTG	CAGAATCCGA	TTACTCCAAC	AACATCATGA	AATGCAGGAG	CCGCTATGAC	1680
GGCCACCGCA	TCTGGATGTA	CAACTCCCAC	ATAGGTGGTT	CCTTCAGCGA	AGAGACGGAA	1740
AAAAAGTTTG	AGCACTTCAG	CGGGCTCTTA	AACAACCAGC	TGTCCCCGCC	AGTAAAGAAG	1800
CCTGCGTGGT	CAACTCCTGT	CTTCAGGCCA	CACCACATCT	TCCATGGGAC	TTCTCCCCAA	1860
CAACTGAGTC	TGAACGAATG	CCACGTGCCC	TCACCCAGCC	CGGCCCCAC	CCTGTCCAGA	1920
CCCTACAGC	TGTGTCTAAG	CTCAGGAGGA	AAGGGACCCT	CCCATCATTC	ATGGGGGGCT	1980
GCTACCTGAC	CCTTGGGGCC	TGAGAAGGCC	TTGCGGGGGT	GGGGTTTGTG	CACAGAGCTG	2040
CTGGAGCAGC	ACCAAGAGCC	AGTCTTGACC	GGGATGAGGC	CCACAGACAG	GTTGTCTCA	2100
GCTTGTCCCA	TTCAAGCCAC	CGAGCTCACC	ACAGACACAG	TGGAGCCGCG	CTCTTCTCCA	2160
GTGACACGTG	GACAAATGCG	GGCTCATCAG	CCCCCCCAGA	GAGGGTCAGG	CCGAACCCCA	2220
TTTCTCCTCC	TCTTACCTCA	TTTTACGCAA	ACTTGAATAT	CTAGACCTCT	CTTCCAATGA	2280
AACCTCCAG	TCTATTATAG	TCACATAGAT	AATGGTGCCA	CGTGTTTTCT	GATTTGGTGA	2340
GCTCAGACTT	GGTGCTTCCC	TATCCACAGC	CCCCACCCCT	TGTTTTTCAA	GATACTATTA	2400
TTATATTTTC	ACAGACTTTT	GAAGCACAAA	TTTTATTGGCA	TITAATATTG	GACATCTGGG	2460
CCCTTGGGAG	TACAAATCTA	AGGAAAAACC	AACCCACTGT	GTAAGTGACT	CATCTTCTTG	2520
TTGTTCCAAT	TCTGTGGGTT	TTTGATTCAA	CGGTGCTATA	ACCAGGGTCC	TGGGTGACAG	2580
GGAGATACAT	GAGCACCATG	TGTCATCACA	GACACTTACA	CATACTTGAA	ACTTGGAATA	2640
AAAGAAAGAT	TTATGAAACG	TGTCTGTGTT	TCCTTTGACC	CACAGCACCT	GGGCCCTGAG	2700
CAGCAGGCTT	CCTATGTTCA	GTGGCCAGAA	CGAGAGCTTC	AGGTACATTC	GTGGTTTTCT	2760
CCGGTGGACA	TGGGTCTCTA	GATCCCCCTC	AGCCAGTGT	GGCCACCAGG	GCACCTCCTT	2820
CAATAGATC	CAAAAGGGGC	AGCTCCTACC	ATCTGGGAGA	AGCAATCTAA	GGAGATCACA	2880
AAAAGTAACG	GAACAGGAGT	CATAATCTTT	CTTGAACTCC	TGTGGTTTTT	ACTGAAACTT	2940
GTCAGAAGGC	ATAGGAGTTG	TGCGAGGGCT	GGATGGGAAG	TCTAGATTTA	AACAGCCACC	3000
AGGCAGCTTA	TCAAAGCAAG	AGGGCATCCG	TTCACAGGAC	AGGGGCTCCC	AGCAATTCCC	3060
AGTGGCAGTG	GGGGGTGGCT	GGCCCCAAGC	CCAAGTCACC	CAGACACAGG	GGACTTCCCC	3120
TTGTGTCAAC	AGCATGCTAG	GGCCCAGCAA	ACTAGAGGGT	AGGTAGGACC	ACCTTGGCAC	3180
CAACTCCAAT	CAAAACCAC					3198

Name: 287      Len: 4231      Check: 177A

GGACAGGCGT	GGCGGCCGGA	GCCCCAGCAT	CCCTGCTTGA	GGTCCAGGAG	CGGAGCCCCG	60
GGCCACCGCC	GCCTGATCAG	CGCGACCCCG	GCCCGCGCCC	GCCCCGCCCC	GCAAGATGCT	120
GCCCGTGTAC	CAGGAGGTGA	AGCCCCAACC	GCTGCAGGAC	GCGAACATCT	GCTCACGCGT	180
GTTCTTCTGG	TGGCTCAATC	OCTTGTTTTA	AATTGGCCAT	AAACGGAGAT	TAGAGGAAGA	240
TGATATGTAT	TCAGTGCTGC	CAGAAGACCG	CTCACAGCAC	CTTGGAGAGG	AGTTGCAAGG	300
GTTCTGGGAT	AAAGAAGTTT	TAAGAGCTGA	GAATGACGCA	CAGAAGCCTT	CTTTAACAAG	360
AGCAATCATA	AAGTGTACT	GGAAATCTTA	TTTAGTTTTG	GGAATTTTTA	CGTTAATTGA	420
GGAAAGTGCC	AAAGTAATCC	AGCCCATATT	TTTGGGAAAA	ATTATTAATT	ATTTTGAAAA	480
TTATGATCCC	ATGGATTCTG	TGGCTTTGAA	CACAGCGTAC	GCCTATGCCA	CGGTGCTGAC	540
TTTTTGCACG	CTCATTTTGG	CTATACTGCA	TCACTTATAT	TTTTATCAGG	TTCACTGTGC	600
TGGGATGAGG	TTACGAGTAG	CCATGTGCCA	TATGATTTAT	CGGAAGGCAC	TTCTGCTTAG	660
TAACATGGCC	ATGGGGAAGA	CAACCACAGG	CCAGATAGTC	AATCTGCTGT	CCAATGATGT	720
GAACAAGTTT	GATCAGGTGA	CAGTGTCTT	ACACTTCCTG	TGGGCAGGAC	CACTGCAGGC	780
GATCGCAGTG	ACTGCCCTAC	TCTGGATGGA	GATAGGAATA	TCGTGCCTTG	CTGGGATGGC	840
AGTTCTAATC	ATTCTCCTGC	CCTTGCAAAG	CTGTTTTGGG	AAGTTGTTCT	CATCACTGAG	900
GAGTAAAACT	GCAACTTTCA	CGGATGCCAG	GATCAGGACC	ATGAATGAAG	TTATAACTGG	960
TATAAGGATA	ATAAAAATGT	ACGCCTGGGA	AAAGTCATTT	TCAAATCTTA	TTACCAATTT	1020
GAGAAAGAAAG	GAGATTTCCA	AGATTCTGAG	AAGTTCCCTG	CTCAGGGGGA	TGAATTTGGC	1080
TTGTTTTTTC	AGTGCAAGCA	AAATCATCGT	GTTTGTGACC	TTCACCACTT	ACGTGCTCCT	1140
CGGCAGTGTG	ATCACAGCCA	GCCGCGTGT	CGTGGCAGTG	ACGCTGTATG	GGGCTGTGCG	1200
GCTGACGGTT	ACCTCTTCT	TCCCTCAGC	CATTGAGAGG	GTSTCAGAGG	CAATCGTCA	1260



72

CATCCGAAGA ATCCAGACCT TTTTGCTACT TGATGAGATA TCACAGCGCA ACCGTCAGCT 1320  
 GCCGTGAGAT GGTAAAAAGA TGGTGCATGT GCAGGATTTT ACTGCTTTTT GGGATAAGGC 1380  
 ATCAGAGACC CCAACTCTAC AAGGCCCTTC CTTTACTGTC AGACCTGGCG AATTGTTAGC 1440  
 TGTGGTCGGC CCGGTGGGAG CAGGGAAGTC ATCACTGTTA AGTGCCGTGC TCGGGGAATT 1500  
 GGCCCAAGT CACGGGCTGG TCAGCGTGCA TGGAGAATT GCCTATGTGT CTCAGCAGCC 1560  
 CTGGGTGTTT TCGGGAATC TGAGGAGTAA TATTTTATTT GGGAGAAT ATGAAAAGGA 1620  
 ACCGATAGAA AAAGTCATA AGGCTTGTGC TCTGAAAAAG GATTTACAGC TGTGGAGGA 1680  
 TGGTGATCTG ACTGTGATAG GAGATCGGGG AACCACGCTG AGTGGAGGGC AGAAAGCACG 1740  
 GGTAAACCTT GCAAGAGCAG TGTATCAAGA TGCTGACATC TATCTCCTGG ACGATCCTCT 1800  
 CAGTGCAGTA GATGCGGAAG TTAGCAGACA CTTGTTTCGAA CTGTGTATTT GTCAAATTTT 1860  
 GCATGAGAAG ATCACAATTT TAGTGACTCA TCAGTTGTCAG TACCTCAAAG CTGCAAGTCA 1920  
 GATTCTGATA TTGAAAGATG GTAAATGGT GCAGAAGGGG ACTTACACTG AGTTCCTAAA 1980  
 ATCTGGTATA GATTTTGGCT CCCTTTTAAA GAAGGATAAT GAGGAAAGTG AACAACTCC 2040  
 AGTTCCAGGA ACTCCACAC TAAGGAATCG TACCTTCTCA GAGTCTTCGG TTTGGTCTCA 2100  
 ACAATCTTCT AGACCCTCCT TGAAGATGG TGCTCTGGAG AGCCAAGATA CAGAGAATGT 2160  
 CCCAGTTACA CTATCAGAGG AGAACCGTTC TGAAGGAAA GTTGGTTTTT AGGCCTATAA 2220  
 GAATTACTTC AGAGCTGGTG CTCACTGGAT TGTCTTCATT TTCCTTATTC TCCTAAACAC 2280  
 TGCAGCTCAG GTTGCCATAG TGCTTCAGA TGGGTGGCTT TCATACTGGG CAAACAAACA 2340  
 AAGTATGCTA AATGTCAGTG TAAATGGAGG AGGAAATGTA ACCGAGAAGC TAGATCTTAA 2400  
 CTGGTACTTA GGAATTTATT CAGGTTTAAAC TGTAAGTACC GTTCTTTTTG GCATAGCAAG 2460  
 ATCTCTATTG GTATTCTACG TCCTTGTTAA CTCTTCACAA ACTTTCACAA ACAAATGTT 2520  
 TGAGTCAATT CTGAAAGCTC CGGTATTATT CTTTGATAGA AATCCAATAG GAAGAATTTT 2580  
 AAATCGTTTC TCCAAAGACA TGGGACACTT GGATGATTTG CTGCCGCTGA CGTTTTTAGA 2640  
 TTTTCATCCAG ACATTGCTAC AAGTGGTGG TGTGGTCTCT GTGGCTGTGG CCGTGATTCC 2700  
 TTGGATCGCA ATACCCTTGG TTCCCTTGG AATCATTTC ATTTTTCTTC GGCGATATTT 2760  
 TTTGGAACG TCAAGAGATG TGAAGCGCTG GGAATCTACA ACTCGGAGTC CAGTGTTTTC 2820  
 CCACTTGTC TCTTCTCTCC AGGGGCTCTG GACCATCCGG GCATACAAAG CAGAAGAGAG 2880  
 GTGTACAGAA CTGTTTGATG CACACCAGGA TTTACATTCA GAGGCTTGGT TCTTGTTTTT 2940  
 GACAACGTCC CGCTGGTTCG CCGTCCGTCT GGATGCCATC TGTGCCATGT TTGTCATCAT 3000  
 CGTTGCCTTT GGGTCCCTGA TTCTGGCAAA AACTCTGGAT GCCGGGCAGG TTGGTTTGGC 3060  
 ACTGTCTTAT GCCCTCACGC TCATGGGGAT GTTTCAGTGG TGTGTTTCGAC AAAGTGCTGA 3120  
 AGTTGAGAAT ATGATGATCT CAGTAGAAAG GGTCATTGAA TACACAGACC TTGAAAAGA 3180  
 AGCACCTTGG GAATATCAGA AACGCCCACC ACCAGCCTGG CCCCATGAAG GAGTGATAAT 3240  
 CTTTGACAAT GTGAACCTTA TGTACAGTCC AGGTGGGCCT CTGGTACTGA AGCATCTGAC 3300  
 AGCACTCAT AAATCACAAG AAAAGGTGG CATGTGGGA AGAACCAGGAG CTGGAAAAG 3360  
 TTCCCTCATC TCAGCCCTTT TTAGATTGTC AGAACCAGAA GGTAAATTT GGATTGATAA 3420  
 GATCTTGACA ACTGAAATTG GACTTCACGA TTTAAGGAAG PAAATGTCAA TCATACCTCA 3480  
 GGAACCTGTT TTGTTCACTG GAACAATGAG GAAAACCTG GATCCCTTTA AGGAGCACAC 3540  
 GGATGAGGAA CTGTGGAATG CTTTACAAGA GGTACAACCT AAAGAAACCA TTGAAGATCT 3600  
 TCCTGGTAAA ATGGATACTG AATTAGCAGA ATCAGGATCC AATTTTAGTG TTGGACAAAG 3660  
 ACAACTGGTG TGCCCTTGCCA GGGCAATTCT CAGGAAAAAT CAGATATTGA TTATTGATGA 3720  
 AGCGACGGCA AATGTGGATC CAAGAAGTGA TGAGTTAATA CAAAAAATAA TCCGGGAGAA 3780  
 ATTTGCCCAT TGCACCGTGC TAACCATTCG ACACAGATTG AACACCATTA TTGACAGCGA 3840  
 CAAGATAATG GTTTTAGATT CAGGAAGACT GAAAGAATAT GATGAGCCGT ATGTTTTGCT 3900  
 GCAAAATAAA GAGAGCCTAT TTTACAAGAT GGTGCAACAA CTGGGCAAGG CAGAAGCCGC 3960  
 TGCCCTCACT GAAACAGCAA AACAGGTATA CTTCAAAAGA AATTATCCAC ATATTGGTCA 4020  
 CACTGACCAC ATGGTTACAA ACACTTCCAA TGGACAGCCC TCGACCTTAA CTATTTTCGA 4080  
 GACAGCACTG TGAATCCAAC CAAAATGTCA AGTCCGTTCC GAAGGCATTT TCCACTAGTT 4140  
 TTTGGACTAT GTAAACCACA TTGTACTTTT TTTTACTTTG GCAACAAATA TTTATACATA 4200  
 CAAGATGCTA GTTCATTTGA ATATTTCTCC C 4231

Name: 288

Len: 4337

EBC

GGCTGTGACA CTAATACTTA ACATGGTGGT TGTGTCTCTT TATGCCTGAC TCAATCAGTT 60  
 GAAATCCAAA AGTAAGTTCT TCCTTGATTT ACCTGCCAAG ACCTGAGTTC AGGCCCTCAG 120  
 GGTGCTGAGG TTTTCCTTTG TGGGAGAAAA TGCCACCAGA TGGCGGGTTA GGATTGCAGC 180  
 TCCGTTGAAG GCGCGGCCCC CGCTCCCGAA CCCCCGCGA CCACCCCGTA ACPACCCCCC 240  
 CACATCGGGA ATAACACACC GGAGACTTTT GGGGGGAAAC TAGGTCGATG GTCGGCGGCG 300  
 CCGGATGGGC AGCTGAGGAT TGCCTTTGAG GTTATTTTAA AAGTTTTGAG TTGTACAGCA 360  
 CTTGATTATT TTGCTGCATT GTGAAAGGAC CTCTCCAGCA ATGATTACTT CAGAATTACC 420  
 AGTGTTACAG GATTCAACTA ATGAACTAC TGCCCATTC GATGCTGGCA GCGAGCTTGA 480  
 AGAAACAGAG GTCAAAGGAA AAAGAAAAAG GGGTCGTCTT GGCCGGCCTC CATCTACAAA 540  
 TAAGAAACCT CGAAAATCTC CAGGTGAGAA GAGCAGAATT GAAGCTGGA TTAGAGGAGC 600  
 AGGCCGTGGA AGAGCTAATG GACACCCTCA ACAGAATGGG GAAGGGGAGC CTGTACATT 660  
 ATTTGAGGTG GTGAAACTGG GGAAAGTGC AATGCAGTCC GTGGTGGATG ACTGGATTGA 720



73

ATCATATAAA	CAAGACAGGG	ACATCGCACT	TCTGGATTTA	ATCAACTTTT	TTATCCAGTG	730
TTCAGGATGT	CGAGGTACTG	TGAGAATAGA	GATGTTTCGA	AATATGCAGA	ATGCAGAAAT	840
CATCAGAAAA	ATGACTGAAG	AATTTGATGA	GGACAGTGGT	GATTATCCTC	TTACCATGCC	900
TGGACCTCAG	TGGAAAAAAT	TTGGTTCAA	CTTTTGTGAA	TTTATTGGAG	TCCTGATTCTG	960
ACAGTGTCTAG	TATAGCATAA	TTTATGATGA	GTATATGATG	GACACAGTAA	TCTCCCTTTT	1020
GACGGGTTTG	TCAGACTCCC	AGGTCAGAGC	TTTTAGGCAT	ACAAGTACCC	TGGCTGCCAT	1080
GAAGCTCATG	ACTGCTCTGG	TGAATGTTGC	CTTAAACCTC	AGTATTCATC	AGGATAATAC	1140
CCAGAGACAA	TATGAAGCCG	AGAGAAATAA	AATGATTGGG	AAGAGAGCCA	ATGAAAGGTT	1200
GGAGTTACTA	CTTCAGAAAC	GCAAAGAGCT	GCAAGAAAAT	CAGGATGAAA	TCGAAAATAT	1260
GATGAACCTCT	ATTTTTTAAGG	GTATATTTGT	TCATAGATAC	CGTGATGCTA	TTGCTGAGAT	1320
TAGAGCCATT	TGTATTGAAG	AAATTGGAGT	ATGGATGAAA	ATGTATAGTG	ATGCCTTCCT	1380
AAATGACAGT	TACCTAAAAT	ATGTTGGCTG	GACTCTTCAT	GACAGGCAAG	GGGAAGTCAG	1440
GCTGAAGTGT	TTGAAAGCTC	TGCAGAGTCT	ATATACCAAT	AGAGAATTAT	TCCCCAAATT	1500
GGAACTATTCT	ACTAACCAGT	TCAAGGATCG	CATTGTATCA	ATGACACTTG	ATAAAGAATA	1560
TGATGTTGCT	GTGGAAGCTA	TTCGATTGGT	TACTCTGATA	CTTCATGGAA	GTGAAGAAGC	1620
TCTTTCCAAAT	GAAGACTGTG	AAAATGTTTA	CCACTTGGTG	TACTCGGCAC	ATCGCCCTGT	1680
TGCTGTGGCA	GCTGGAGAGT	TCCTTCACAA	AAAGCTATTT	AGCAGACATG	ACCCACAAGC	1740
AGAAGAAGCA	TTAGCAAAGA	GGAGGGGAAG	AAACAGCCCG	AATGGAARCC	TCATTAGGAT	1800
GCTGGTTCTT	TTCTTTCTTG	AAAGTGAGTT	ACATGAACAT	GCAGCCTACT	TGGTGGACAG	1860
TTTATGGGAG	AGCTCTCAAG	AACTGTTGAA	AGACTGGGAA	TGTATGACAG	AGTTGCTATT	1920
AGAAGAACCT	GTTCAAGGAG	AGGAAGCAAT	GTCTGATCGT	CAAGAGAGTG	CTCTTATAGA	1980
GCTAATGGTT	TGTACAATTC	GTCAAGCTGC	TGAGGCACAT	CCTCCAGTGG	GAAGGGGTAC	2040
CGGCAAGAGA	GTGCTAACTG	CCAAAGAAAG	GAAAACCTCA	ATTGATGATA	GAAACAAATT	2100
GACTGAACAT	TTTATTATTA	CACTTCCTAT	GTTACTGTCA	AAGTATTCCTG	CAGATGCAGA	2160
GAAGGTAGCA	AACTTGCTAC	AAATCCCACA	GTATTTTGAT	TTAGAAATCT	ACAGCACAGG	2220
TAGAATGGAA	AAGCATCTGG	ATGCTTTATT	AAAACAGATT	AAGTTTGTGT	TGGAGAAACA	2280
CGTAGAATCA	GATGTTCTAG	AAGCCTGCAG	TAAAACCTAT	AGTATCTTAT	GCAATGAAGA	2340
ATATACCATC	CAGAACAGAG	TTGACATAGC	TGGAAGCCAG	CTGATTGATG	AGTTTGTAGA	2400
TCGATTCAAT	CATTCTGTGG	AAGACCTATT	GCAAGAGGGA	GAAGAAGCTG	ATGATGATGA	2460
CATTTACAAT	GTTCTTTCTA	CATTAAAGCG	GTTAACTTCT	TTTCAGAAATG	CACATGATCT	2520
CACAAAATGG	GATCTCTTTG	GTAATTGCTA	CAGATTATTG	AAGACTGGAA	TTGAACATGG	2580
AGCCATGCCA	GAACAGATAG	TCGTGCAAGC	ACTGCAGTGT	TCCCATATT	CGATTCTTTG	2640
GCAGTTGGTG	AAAATTACTG	ATGGCTCTCC	TTCCAAAGAG	GATTTGTGTG	TATTGAGGAA	2700
AACGGTGAAA	TCCTTTTTTG	CTGTTTGCCA	GCAGTGCCCTG	TCTAATGTTA	ATACTCCAGT	2760
GAAAGAACAG	GCTTTTCATG	TACTCTGTGA	CTTCTGTATG	ATTTTCAGCC	ACCAATTAAT	2820
GACAGGTGGC	AGAGAGGGCT	TTCAGCCTTT	GGTGTTCAAT	CCAGATACTG	GACTCCAATC	2880
TGAACCTCCTC	AGTTTTGTGA	TGGATCACGT	TTTTATTGAC	CAAGACGAGG	AGAACCAGAG	2940
CATGGAGGGT	GATGAAGAAG	ATGAAGCTAA	TAAAATTGAG	GCCTTACATA	AAAGAAGGAA	3000
TCTACTTGCT	GCTTTCAGCA	AACTTATCAT	TTATGACATT	GTTGACATGC	ATGCAGCTGC	3060
AGACATCTTC	AAACACTACA	TGAAGTATTA	CAATGACTAT	GGTGATATTA	TTAAGGAAAC	3120
ACTGAGTAAA	ACCAGGCAGA	TTGATAAAAT	TCAGTGTGCC	AAGACTCTCA	TTCTCAGTTT	3180
GCAACAGTTA	TTTAATGAAC	TTGTTCAAGA	GCAAGGTCCC	AACCTAGATA	GGACATCTGC	3240
CCATGTCAGT	GGCATTAAG	AACTGGCACG	TCGCTTTGCC	CTTACATTTG	GATTGGACCA	3300
GATTAAGACA	CGAGAAGCAG	TTGCCACACT	TCACAAAGAT	GGCATAGAGT	TTGCATTAA	3360
ATACCAAAAT	CAGAAAGGAC	AAGAGTATCC	ACCTCCTAAT	CTGGCTTTTC	TTGAAGTACT	3420
AAGTGAATTT	TCTTCTAAAC	TTCTTCGACA	GGACAAAAAG	ACAGTTCATT	CATACCTAGA	3480
GAAATTCCTT	ACCGAGCAGA	TGATGGAAAG	GAGGGAGGAT	GTATGGCTTC	CACTCATCTC	3540
CTATAGAAAT	TCATTAGTCA	CTGGGGGTGA	AGATGATAGA	ATGTCTGTGA	ACAGTGGAA	3600
TAGCAGCAGC	AAAACCTCAT	CAGTAAGGAA	TAAGAAAGGA	CGACCTCCAC	TTCATAAAAA	3660
ACGAGTAGAA	GATGAGAGTC	TGGATAACAC	ATGGCTAAAC	AGGACTGACA	CCATGATTCA	3720
GACTCCTGGC	CCCCTGCCAG	CACCACAAC	CACATCCACT	GTACTGCGGG	AGAACAGTCG	3780
GCCCATGGGA	GACCAGATTC	AAGAACCTGA	GTCTGAACAT	GGTTCTGAAC	CAGACTTTTT	3840
ACACAATCCT	CAGATGCAGA	TCTCTTGGTT	AGGCCAGCCG	AAGTTAGAAG	ACTTAATTCG	3900
GAAGGACAGA	CAGGAATGA	ACTACATGAA	AGTGAGAAT	GGAGTGAGGC	ATGCTGTTTCG	3960
GGGTCTAATG	GAGGAAGATG	CTGAGCCCAT	CTTTGAAGAT	GTEATGATGT	CATCCCGAAG	4020
CCAGTTAGAA	GATATGAATG	ARGAATTTGA	GGACACCATG	GTTATTGATC	TGCCTCCATC	4080
AAGAAATCGG	CGAGAGAGAG	CTGAGCTAAG	GCCAGACTTC	TTTGACTCTG	CAGCTATCAT	4140
AGAAGATGAT	TCAGGATTTG	GAATGCCTAT	GTTCTGAAGT	CTGAAGAAAA	TTTACAAATC	4200
TGGAACTCTA	TTATTTAGAG	CTAGAGGCCT	ATATACTGTG	ATAGCTTGTA	TGGGGAAAAA	4260
CAACTTTTGA	TGTGATCTGA	TTTGTTTTTT	AATCAAATGA	TTAAGGTCAA	TCCCTTTTTG	4320
CAGTGACAGA	AGAGGAG					4337

Name: 289 Len: 1090 Check: C2  
 GCTCCGGGAG ACTTCCGGCA GGGCGGGCGC GGGGTCTTGG CGAACGGTCT TCGGAAGCGG 60

74

CGGCGGCGCG	ATGACCACGC	TAOGGGCCTT	TACCTGCGAC	GACCTGTTCC	GCTTCAACAA	120
CATTAACCTG	GATCCACTTA	CAGAACTTTA	TGGGATTCCT	TTCTACCTAC	AATACCTCGC	180
CCACTGGCCA	GAGTATTTCA	TTGTTGCAGA	GGCACCTGGT	GGAGAATTAA	TGGGTTATAT	240
TATGGGTAAA	GCAGAAGGCT	CAGTAGCTAG	GGAGAATGG	CACGGGCACG	TCACAGCTCT	300
GTCTGTTGCC	CCAGAATTTT	GACGCCTTGG	TTTGGCTGCT	AACTTATATG	AGTTACTAGA	360
GGAGATTTCA	GAAAGAAAAG	GTGGATTTTT	TGTGGATCTC	TTTGTAAAG	TATCTAACCA	420
AGTTGCAGTT	AACATGTACA	AGCAGTTGGG	CTACAGTGTA	TATAGGACGG	TCATAGAGTA	480
CTATTCGGCC	AGCAACGGGG	AGCCTGATGA	GGACGCTTAT	GATATGAGGA	AAGCACTTTC	540
CAGGGATACT	GAGAAGAAAT	CCATCATACC	ATTACCTCAT	CCTGTGAGGC	CTGAAGACAT	600
TGAATAACCC	TGGGCAGTGG	TTCTTAGGCA	GATACTCTAG	ATGCTTTATG	GACAATATTA	660
TTTTCATTTG	ATGATTCTGG	AGCTCTATTA	GGAGAAAAGT	AATCATTTTA	GGTCTTAAAG	720
ACTTCAAGAA	AATACAGGTT	ATCAATTTAT	TTTAAATCTC	ATTGTTTCCA	GTTAGCAATA	780
TCATACCTAT	TAAAGCTGTT	CATTGTAACA	AAATTCAATC	AAAAAGGCAG	CTAGGTCAGA	840
AGGAAACATA	CCACTCTCAT	GGTTCATAGT	ATTCACTGTA	TGTATGCTAG	GGAAAAGACT	900
TGCTCCAGTC	TCCTCCTCAG	TTCTGTGCTT	GAGAACCCTT	GCTGCATATA	TTTGTTTTTA	960
AATTTTGTAT	TGAAGCTGTT	ATTGAAGCTT	TAAAAGCATA	TATGAAATGT	ATAAATCTAA	1020
GATGTATAAT	ACATTATTGA	CTCTAAAAAA	AAAAAAAATA	AAAAAAAATA	AAAAAAAATA	1080
AAAAAAAATA						1090

Name: 29      Len: 558      Check: 1348

GAGTGNNGCG	GNGGTGGCGC	CTGCGGACCT	AACAGCTCC	AGGTTAGGCC	GAGCTTTGNG	60
GGAAAGCAGC	GGACTTGAAT	ATACTGGAAA	TCTGTCCGGA	TCCAAATTAT	TTTGCAAGCC	120
AGATGAGTAA	CCAGAGGGCA	TGAAAGGTTG	AGAACATTTG	ACTTCCCTGC	AAACCTTGGT	180
ATAGATCACT	TCCTTTTCTG	TAGGAAAGGA	AAGGCACCAA	AGAGCACAA	GAGTACAAGA	240
AAGCGTCTGT	GTGGAGCAAT	AAATTCTAGA	CAAGCTCAGA	AGCGAACTCG	GGAAGCAACC	300
TCCACCCCCG	AGATCTCCTT	GGAAGCAGAA	CCCATAGAAC	TCGTGGAAAC	TGCTGGAGAT	360
GAAATTGTGG	ACCTCACTTG	TGAATCTTTA	GAGCCTGTGG	TGGTTGATCT	GACTCACAA	420
GACTCTGTTG	TGATTGTTGA	CGAAAGAAGA	AGACCAAGGA	GGAATGCTAG	GAGGCTGCCC	480
CAGGACCATG	CTGACAGCTG	TGTGGTGAGC	AGTGACGATG	AGGAGTTGTC	CAGGACAGAA	540
GACGTATATG	TGACTACC					558

Name: 290      Len: 2150      Check: 214D

CTCGAGCCAC	GAAGGCCCCG	CTGTCTCTGT	TAGCAGATAC	TTGCACGGTT	TACAGAAATT	60
CGGTCCCTGG	GTGCTGTGAG	GAAACTGGAA	AAAAGGTCAT	AAGCATGAAG	CGCAGTTTCA	120
TTTCCAGCGG	TGGTGCTGGC	CGCCTCTCCA	TGCAGGAGTT	AAGATCCAG	GATGTAAATA	180
AACAAGGCCCT	CTATACCCCT	CAAACCAAAG	AGAAACCAAC	CTTTGGAAAG	TTGAGTATAA	240
ACAAACCGAC	ATCTGAAAGA	AAAGTCTCGC	TATTTGGCAA	AAGAAGTAGT	GGACATGGAT	300
CCCGGAATAG	TCAACTTGGT	ATATTTTCCA	GTTCTGAGAA	AATCAAGGAC	CCGAGACCAC	360
TTAATGACAA	AGCATTCATT	CAGCAGTGTA	TTGACAACT	CTGTGAGTTT	CTTACAGAAA	420
ATGTTTATGC	ACATAATGTG	TCCATGAAAT	CTCTACAAGC	TCCCTCTGTT	AAAGACTTCC	480
TGAAGATCTT	CACATTTCTT	TATGGCTTCC	TGTGCCCTTC	ATACGAACCT	CCTGACACAA	540
AGTTTGAAGA	AGAGGTTCCA	AGAATCTTTA	AAGACCTTGG	GTATCCTTTT	GCACTATCCA	600
AAAGCTCCAT	GTACACAGTG	GGGGCTCCTC	ATACATGGCC	TCACATTGTG	GCAGCCTTAG	660
TTTGGCTAAT	AGACTGCATC	AAGATACATA	CTGCCATGAA	AGAAAGCTCA	CCTTTATTTG	720
ATGATGGGCA	GCCTTGGGGA	GAAGAAACTG	AAGATGGAAT	TATGCATAAT	AAGTTGTTTT	780
TGGACTACAC	CATAAAATGC	TATGAGAGTT	TTATGAGTGG	TGCCGACAGC	TTTGATGAGA	840
TGAATGCAGA	GCTGCAAGTC	AAACTGAAGG	ATTTATTTAA	TGTGGATGCT	TTTAAGCTGG	900
AATCATTAGA	AGCAAAAAAC	AGAGCATTGA	ATGAACAGAT	TGCAAGATTG	GAACAAGAAA	960
GAGAAAAAGA	ACCGAATCGT	CTAGAGTCGT	TGAGAAACT	GAAGGCTTCC	TTACAAGGAG	1020
ATGTTCAAAA	GTATCAGGCA	TACATGAGCA	ATTTGGAGTC	TCATTACAGC	ATTCTTGACC	1080
AGAAATTAAA	TGGTCTCAAT	GAGGAAATTG	CTAGAGTAGA	ACTAGAATGT	GAAACAATAA	1140
AACAGGAGAA	CACTCGACTA	CAGAATATCA	TTGACAACCA	GAAGTACTCA	GTTGCAGACA	1200
TTGAGCGAAT	AAATCATGAA	AGAAATGAAT	TGCAGCAGAC	TATTAATAAA	TTAACCAAGG	1260
ACCTGGAAGC	TGAACAACAG	AAGTTGTGGA	ATGAGGAGTT	AAAATATGCC	AGAGGCAAGG	1320
AAGCGATTGA	AACACAATTA	GCAGAGTATC	ACAAATTGGC	TAGPAAATTA	AACTTATTC	1380
CTAAAGGTGC	TGAGAATTCC	AAAGGTTATG	ACTTTGAAAT	TAAGTTTAAT	CCCGAGGCTG	1440
GTGCCAACTG	CCTTGTCAAA	TACAGGGCTC	AAGTTTATGT	ACCTCTTAAG	GAACTCCTGA	1500
ATGAAACTGA	AGAAGAAATT	AATAAAGCCC	TAAATAAAAA	AATGGGTTTG	GAGGATACTT	1560
TAGAACAATT	GAATGCAATG	ATAACAGAAA	GCAAGAGAAG	TGTGAGAACT	CTGAAAGAAG	1620
AAGTTCAAAA	GCTGGATGAT	CTTTACCAAC	AAAAAATTAA	GGAAGCAGAG	GAAGAGGATG	1680
AAAAATGTGC	CAGTGAGCTT	GAGTCTTGG	AGAAACACAA	GCACCTGCTA	GAAAGTACTG	1740
TTAACCAGGG	GCTCAGTGAA	GCTATGAATG	AATTAGATGC	TGTTACGCGG	GAATACCAAC	1800
TAGTTGTGCA	AACCACGACT	GAAGAAAGAC	GAAAAGTGGG	AAATAACTTG	CAACGTCTGT	1860
TAGAGATGGT	TGCTACACAT	GTTGGGTCTG	TAGAGAAACA	TCTTGAGGAG	CAGATTGCTA	1920
AAGTTGATAG	AGAATATGAA	GAATGCATGT	CAGAAGATCT	CTCGGAAAT	ATTAAAGAGA	1980

75

TTAGAGATAA	GTATGAGAAG	AAAGCTACTC	TAATTAAGTC	TTCTGAAGAA	TGAAGATAAA	2040
ATGTTGATCA	TGTATATATA	TCCATAGTGA	ATAAAAATTGT	CTCAGTAAAA	AAAAAAAAAA	2100
AAAAAAAAAA	AAAAAAAAAA	AAAAAAAAAA	AAAAAAAAAA	AAAAAAAAAA		2150

Name: 291      Len: 3800      Check: 2389

GTCGGAGGCA	GAGGCGGCGG	CGGCAGGCGG	GGAGCAAGAG	GCCCAGGCGA	CTGCGGCGGC	60
TGGGGAAGGA	GACAAATGGG	CGGGCCTGCA	GGGCCCATCT	CGGGAGCCAC	CGCTGGCCGA	120
CAACTTGTAC	GACGAAGACG	ACGACGACGA	GGGCGAGGAG	GAGGAAGAGG	CGGCGGCGGC	180
GGCGATTGGG	TACCGAGATA	ACCTTCTGTT	CGGTGATGAA	ATTATCACTA	ATGGTTTTCA	240
TTCTGTGAA	AGTGATGAGG	AGGATAGAGC	CTCACATGCA	AGCTCTAGTG	ACTGGACTCC	300
AAGGCCACGG	ATAGGTCCAT	ATACTTTTGT	TCAGCAACAT	CTTATGATTG	GCACAGATCC	360
TCGAACAATT	CTTAAAGATT	TATTGCGGGA	AACAATACTT	CCACCTGAGT	TGGATGATAT	420
GACACTGTGG	CAGATTGTTA	TTAATATCCT	TTCAGAACCA	CCAAAAAGGA	AAAAAAGAAA	480
AGATATTAAT	ACAATTGAAG	ATGCCGTGAA	ATTACTGCAA	GAGTGCAAAA	AAATTATAGT	540
TCTAAGTGA	GCTGGGGTGT	CTGTTTCATG	TGGAATACCT	GACTTCAGGT	CAAGGGATGG	600
TATTTATGCT	CGCCTTGCTG	TAGACTTCCC	AGATCTTCCA	GATCCTCAAG	CGATGTTTGA	660
TATTGAATAT	TTCAGAAAAG	ATCCAAGACC	ATTCTTCAAG	TTTGCAAAGG	AAATATATCC	720
TGGACAATTG	CAGCCATCTC	TCTGTACAAA	ATTCATAGCC	TTGTGAGATA	AGGAAGGAAA	780
ACTACTTCGC	AACATATACC	AGAACATAGA	CACGCTGGAA	CAGGTTGCGG	GAATCCAAAG	840
GATAATTCAG	TGTCATGGTT	CCTTTGCAAC	AGCATCTTGC	CTGATTTGTA	AATACAAAGT	900
TGACTGTGAA	GCTGTACGAG	GAGATATTTT	TAATCAGGTA	GTTCTCTGAT	GTCTAGGTG	960
CCCAGCTGAT	GAACCGCTTG	CTATCATGAA	ACCAGAGATT	GTGTTTTTTG	GTGAAAATTT	1020
ACCAGAACAG	TTTCATAGAG	CCATGAAGTA	TGACAAAGAT	GAAGTTGACC	TCCTCATTGT	1080
TATTGGGTCT	TCCCTCAAAG	TAAGACCAGT	AGCACTAATT	CCAAGTTCCA	TACCCCATGA	1140
AGTGCCTCAG	ATATTAATTA	ATAGAGAACC	TTTGCCTCAT	CTGCATTTTG	ATGTAGAGCT	1200
TCTTGGAGAC	TGTGATGTCA	TAATTAATGA	ATTGTGTGAT	AGGTTAGGTG	GTGAATATGC	1260
CAAACTTTGC	TGTAACCCTG	TAAAGCTTTC	AGAAATTACT	GAAAAACCTC	CACGAACACA	1320
AAAAGAATTG	GCTTATTTGT	CAGAGTTGCC	ACCCACACCT	CTTCATGTTT	CAGAAGACTC	1380
AAGTTCACCA	GAAAGAACTT	CACCACCAGA	TTCTTCAGTG	ATTGTCACAC	TTTTAGACCA	1440
AGCAGCTAAG	AGTAATGATG	ATTTAGATGT	GTCTGAATCA	AAAGGTTGTA	TGGAAGAAAA	1500
ACCACAGGAA	GTACAAACTT	CTAGGAATGT	TGAAAGTATT	GCTGAACAGA	TGGAATATCC	1560
GGATTTGAAG	AATGTTGGTT	CTAGTACTGG	GGAGAAAAAT	GAAAGAACTT	CAGTGGCTGG	1620
AACAGTGAGA	AAATGCTGGC	CTAATAGAGT	GGCAAAGGAG	CAGATTAGTA	GGCGGCTTGA	1680
TGGTAATCAG	TATCTGTTTT	TGCCACCAAA	TCGTTACATT	TTCCATGGCG	CTGAGGTATA	1740
TTCAGACTCT	GAAGATGACG	TCTTATCCTC	TAGTCTTTGT	GGCAGTAACA	GTGATAGTGG	1800
GACATGCCAG	AGTCCAAAGT	TAGAAGAACC	CATGGAGGAT	GAAAGTGAAA	TTGAAGAATT	1860
CTACAATGGC	TTAGAAGATG	AGCCTGATGT	TCCAGAGAGA	GCTGGAGGAG	CTGGATTTGG	1920
GACTGATGGA	GATGATCAAG	AGGCAATTA	TGAAGCTATA	TCTGTGAAAC	AGGAAGTAAC	1980
AGACATGAAC	TATCCATCAA	ACAAATCATA	GTGTAATAAT	TGTGCAGGTA	CAGGAATTGT	2040
TCCACCAGCA	TTAGGAACTT	TAGCATGTCA	AAATGAATGT	TTACTTGTGA	ACTCGATAGA	2100
GCAAGGAAAC	CAGAAAGGTG	TAATATTTAT	AGGTTGGTAA	AATAGATTGT	TTTTCATGGA	2160
TAATTTTTAA	CTTCATTATT	TCTGTACTTG	TACAAACTCA	ACACTAACTT	TTTTTTTTTT	2220
AAAAAAAAAA	AGGTACTAAG	TATCTTCAAT	CAGCTGTTGG	GTCAAGACTA	ACTTTCTTTT	2280
AAAGGTTTCT	TTGTATGATA	AATTCATATG	TGTATATATA	ATTTTTTTTT	TTTTGTCTAG	2340
TGAGTTTCAA	CATTTTTTAA	GTTTTTCAAAA	AGCCATCGGA	ATGTTAAATT	AATGTAAGG	2400
GACAGCTAAT	CTAGACCAAA	GAATGGTATT	TTCACCTTTT	TTTGTAACAT	TGAATGGTTT	2460
GAAGTACTCA	AAATCTGTTA	CGCTAAACTT	TTGATTCTTT	AACACAATTA	TTTTTAAACA	2520
CTGGCATTTT	CCAAAACCTG	GGCAGCTAAC	TTTTTAAAT	CTCAAATGAC	ATGCAGTGTG	2580
AGTAGAAGGA	AGTCAACAAT	ATGTGGGGAG	AGCACTCGGT	TGTCTTTTACT	TTTAAAAGTA	2640
ATACTTGGTG	CTAAGAATTT	CAGGATTATT	GTATTTACGT	TCAAATGAAG	ATGGCTTTTG	2700
TACTTCCTGT	GGACATGTAG	TAATGTCTAT	ATTGGCTCAT	AAAACATAAC	TGAAAAACAA	2760
ATAAATGCTT	TGGAAATGTT	TCAGTTGCTT	TAGAAACATT	AGTGCCTGCC	TGGATCCCCCT	2820
TAGTTTTGAA	ATATTTGCCA	TTGTTGTTTA	AATACCTATC	ACTGTGGTAG	AGCTTGCATT	2880
GATCTTTTCC	ACAAGTATTA	AACTGCCAAA	ATGTGAATAT	GCAAAGCCTT	TCTGAATCTA	2940
TAATAATGGT	ACTTCTACTG	GGGAGAGTGT	AATATTTTGG	ACTGCTGTTT	TCCATTAATG	3000
AGGAGAGCAA	CAGGCCCTGT	ATTATACAGT	TCCAAAGTAA	TAAGATGTTA	ATTGTAATTC	3060
AGCCAGAAAG	TACATGTCTC	CCATTGGGAG	GATTTGGTGT	TAAATACCAA	ACTGCTAGCC	3120
CTAGTATTAT	GGAGATGAAC	ATGATGATGT	AACCTGTAAT	AGCAGAATAG	TTAATGAATG	3180
AAACTAGTTC	TTATAATTTA	TCITTTATTTA	AAAGCTTAGC	CTGCCTTAAA	ACTAGAGATC	3240
AACTTTCTCA	GCTGCAAAAAG	CTTCTAGTCT	TTCAAGAAGT	TCATACTTTA	TGAAATTGCA	3300
CAGTAAGCAT	TTATTTTTCA	GACCATTTTT	GAACATCACT	CCTAAATTA	TAAAGTATTC	3360
CTCTGTTGCT	TTAGTATTTA	TTACAATAAA	AAGGGTTTGA	AATATAGCTG	TCTTTTATGC	3420
ATAAACACCC	CAGCTAGGAC	CATTACTGCC	AGAGAAAAAA	ATCGTATTGA	ATGGCCATTT	3480
CCCTACTTAT	AAGATGTCTC	AATCTGAATT	TATTTGGCTA	CACATAAGAA	TGCAGTATAT	3540

76

TTAGTTTTCC	ATTTGCATGA	TGTTTGTGTG	CTATAGATGA	TATTTTAAAT	TGAAAAGTTT	3600
GTTTTAAATT	ATTTTTACAG	TGAAGACTGT	TTTCAGCTCT	TTTTATATTG	TACATAGTCT	3660
TTTATGTAAT	TTACTGGCAT	ATGTTTTGTA	GACTGTTTAA	TGACTGGATA	TCTTCCTTCA	3720
ACTTTTGAAA	TACAAAACCA	GTGTTTTTTA	CTTGACACT	GTTTTAAAGT	CTATTAAAT	3780
TGTCATTGTA	CTTTTTTCTG					3800

Name: 292

Len: 1731

Check:

2078

GGGGGAGGCT	GTGATGGGTT	GACAGGTGCG	TGACAGTGGG	AGCTGCTCTC	GGCACAAGCA	60
TGTACGGCAA	AGGCAAGAGT	AACAGCAGCG	CCGTCCCGTC	CGACAGCCAG	GGCCGGGAGA	120
AGTTAGCACT	CTACGTATAT	GAATATCTGC	TCCATGTAGG	AGCTCAGAAA	TCAGCTCAAA	180
CAITTTTATC	AGAGATAAGA	TGGGAAAAAA	ACATCACATT	GGGGGAACCA	CCAGGATTCT	240
TACATTCTTG	GTGGTGTGTA	TTTTGGGATC	TCTACTGTGC	AGCTCCAGAG	AGACGTGAAA	300
CATGTGAACA	CTCAAGTGAA	GCAAAAAGCCT	TCCATGATTA	CAGTGCTGCA	GCAGCTCCCA	360
GTCCAGTGCT	AGGAAACATT	CCCCCAGGAG	ATGGCATGCC	AGTAGGTCCT	GTACCACCAG	420
GGTTCTTTCA	GCCTTTTATG	TCACCTCGGT	ACCCTGGAGG	TCCAAGGCC	CCATTGAGGA	480
TACCTAATCA	GGCATTGGA	GGTGTCCAG	GAAGTCAGCC	ATTACTCCOC	AGAGGAATGG	540
ATCCAACTCG	ACAACAAGGA	CATCCAAATA	TGGGTGGGCC	AATGCAGAGA	ATGACTCCTC	600
CAAGAGGAAT	GGTGCCCTTA	GGACCACAGA	ACTATGGAGG	TGCAATGAGA	CCCCCACTGA	660
ATGCTTTAGG	TGGCCCTGGA	ATGCCTGGAA	TGAACATGGG	TCCAGGTGGT	GGTAGACCTT	720
GGCCAAACCC	AACAAATGCC	AATTCAATAC	CATACTCCTC	AGCATCTCCT	GGGAATTATG	780
TAGGTCCTCC	AGGAGGTGGA	GGGCCACCAG	GAACACCCAT	CATGCCTAGT	CCAGCAGATT	840
CAACCAACTC	TGGTGATAAC	ATGTATACTT	TAATGAATGC	AGTACCTCCT	GGACCTAACA	900
GACCTAATTT	TCCAATGGGC	CCTGGGTCAG	ATGGTCCCAT	GGGTGGATTA	GGAGGAATGG	960
AGTCACATCA	CATGAATGGC	TCTTTAGGCT	CAGGAGATAT	GGACAGTATT	TCCAAGAATT	1020
CTCCCAATAA	TATGAGCCTG	AGTAATCAAC	CGGGCACTCC	AAGGGATGAT	GGCGAAATGG	1080
GGGGAAATTT	CTTAATCCT	TTTCAGAGTG	AGAGTTACTC	CCCTAGCATG	ACAATGAGCG	1140
TGTGATCCAT	TACCAAGTCT	CCTCATGAAA	ACCACAGTGA	GTCAGCCCTT	CACAGAACTA	1200
CTACGGAAGA	AAATTATTCA	TCACAGTGTA	CAGTTAAACA	AAGGAATCTC	AGTCACACCA	1260
AACCAACCTT	TTCATTTCCT	GCTCTCTCCC	CTCTTTTGTG	AAGAAAGCGG	GTCCAGATGT	1320
GATTCAAACA	ACTGTACGGA	GTGGCATATT	AGAATTGCC	TAAACTGAAC	TGCAAAATAAT	1380
TATGTGTGTA	TGTATATGTG	TGGGAAAGAG	AATGTACTGT	ATATGTGTAT	GTTATACAGA	1440
CATATACACA	TACATACATT	GACCCACAGG	ACATTGTAAA	ATATTATCAC	ATGACATCTT	1500
AAGTAGAAAT	AAGTAGGGAG	TTTTATTCCA	TCCTTTTTTT	CACGTTTACA	TTTAAATTAT	1560
TACAAGTTGC	TCCTGCCCCC	TCCTGAACT	ATTTTGTGCT	GTGTATATCA	CTGCTTTATA	1620
TAAGTTATTT	TTTAAGGTGA	ACTCAGATGT	TATGGTTTTG	TATATGTCTG	CAATCATGGA	1680
TAGGAATAAA	ATCGCTTATT	TGAGAGCTTT	CAAAAAAAA	AAAAAAAAC	C	1731

Name: 293

Len: 3416

Check:

2559

GGTTTACACG	TACCTCCGCC	TCATCGTGGA	CCACCATGGG	ACTGCCCAGC	TCCAGGCCCT	60
GCGACAGAAG	GAAGTAGACT	TCTGCATCTC	ACTGCTTCGG	GAACGGTTCA	TGGAATGTCT	120
GATGATTGGT	CGGGATCTCG	TAAGACTACT	TCAGAATGTT	GCTAGGATAC	CAGAATTTGA	180
ACTGCTTTGG	AAAGATATTA	TCCATAATCC	TCAGGCCCTG	AGTCCTCAGT	TCACAGGTAT	240
CCTACAGCTT	CTTCAGTCAA	GAACATCCCG	AAAATTCCTA	GCATGTCTGC	TAACCCCGGA	300
CATGGAGACT	AAACTCCTCT	TCATGACATC	CCGGGTGCGA	TTTGGTCAAC	AAAAGCGATA	360
CCAAGATTGG	TTCCAGCGCC	AGTACCTGTC	AACTCCAGAT	AGTCAGTCTC	TGCGCTGTGA	420
CCTCATTTCG	TACATCTGTG	GGGTAGTCCA	CCCTTCTAAT	GAAGTACTGA	GTTCAGATAT	480
CTTGCCCCGG	TGGGCCATCA	TTGTTGGCT	CCTGACAACG	TGCACGTCAA	ATGTCGCTGC	540
CTCCAATGCC	AAGCTGGCTT	TGTTTTATGA	CTGGCTGTTT	TTTAGTCCAG	ACAAGGATAG	600
CATTATGAAC	ATAGAACCAG	CCATCCTGGT	CATGCACCAC	TCCATGAAGC	CCCACCCAGC	660
CATCACTGCC	ACACTCCTGG	ACTTCATGTG	CCGCATCATT	CCCAACTTCT	ATCCACCATT	720
GGAGGGCCAC	GTGCGGCAGG	GTGTCTTTTC	CTCCCTCAAC	CACATTGTGG	AGAAACGGGT	780
CTTGGCGTGT	AAAAAGTATT	GGCTCTACCT	CAGACTGCTG	GGCATATGTC	TTCTTGCTC	840
TTAGAGGAAT	TTCTCTCCTG	CCATCGTATT	ACAAAGACAC	CTAGCTCCCC	TGTTTGACAA	900
CCCTAAGTTG	GATAAGGAGC	TGCGGGCAAT	GCTGAGAGAG	AAGTTTCCTG	AGTTCTGCAG	960
CTCACCTTCC	CCACCTGTGG	AAGTCAAAAT	TGAGGAGCCA	GTTTCCATGG	AGATGGACAA	1020
CCATATGTCT	GATAAGGATG	AGAGTTGCTA	TGACAATGCA	GAGGCAGCCT	TCAGTGACGA	1080
TGAAGAGGAT	CTCAACAGCA	AAGGAAAGAA	GAGGGAGTTT	CGCTTCCACC	CTATCAAGGA	1140
GACAGTTGTG	GAGGAGCCAG	TTGATATCAC	CCCTTACCTT	GACCAGTTGG	ATGAGTCCCT	1200
GAGGGACAAA	GTACTCCAGC	TACAGAAGGG	GAGTGATACG	GAGGCCCAGT	GTGAGGTCAAT	1260
GCAGGAAATT	GTGGACCAGG	TCCTGGAGGA	AGACTTTGAC	TGCGAGCAGC	TGTCTGTCTT	1320
TGCTTCCTGC	CTACAGGAGC	TCTTCAAGGC	CCACTTTTGA	GGGGAGGTCC	TGCTTGAGGA	1380
GATTACTGAG	GAGTCCCTGG	AGGAGTCTGT	AGGAAAGCCT	CTGTACCTAA	TATTTAGGAA	1440
CCTATGTCAG	ATGCAGGAAG	ACAACAGCAG	CTTCTCTCTA	CTTCTAGACC	TTCTCTCCGA	1500
GCTATATCAG	AAGCAGCCCA	AGATTGGCTA	CCACCTGCTC	TACTACCTGA	GGGCCAGCAA	1560
AGCCGCCGCA	GGGAAGATGA	ACCTGTACGA	GTCATTTGCC	CAGGCTACCC	AGCTGGGCCA	1620

77

TCTGCACACC	TGCCTGATGA	TGGACATGAA	GGCCTGCCAG	GAGGACGATG	TGCGGCTCCT	1680
GTGCCACCTC	ACGCCCTCCA	TCTACACAGA	GTTTCCAGAT	GAAACCTTGA	GGAGCGGAGA	1740
GCTGCTGAAC	ATGATCGTGG	CTGTTATTGA	CTCTGCACAG	CTCCAGGAGC	TGGTCTGCCA	1800
CGTGATGATG	GGTAACCTGG	TTATGTTTCG	AAAAGACTCA	GTTCTCAACA	TACTCATTCA	1860
GAGCCTAGAC	TGGGAGACCT	TTGAGCAGTA	TTGTGCCCTGG	CAGCTCTTTC	TGGCCCACAA	1920
TATTCCCCTG	GAGACCATAA	TCCCCATCCT	GCAGCACCTC	AAATACAAGG	AGCACCAGGA	1980
GGCCCTGTCC	TGCCTACTGC	TTCAACTCCG	AAGAGAAAAG	CCCAGCGAGG	AGATGGTGAA	2040
GATGGTGCTG	ASCCGGCCCT	GCCATCCTGA	CGACCAGTTC	ACCACCAGCA	TCCTGCGGCA	2100
CTGGTGCAATG	AAACATGACG	AGCTGCTGGC	CGAGCACATC	AAGTCCCTGC	TCATCAAGAA	2160
CAACAGCCCTG	CCTCGCAAGA	GACAGAGCCT	GAGGAGCTCT	AGCAGCAAGC	TGGCCCAGCT	2220
GACTCTGGAG	CAGATCCTGG	AGCACTTGGA	CAATCTGCGG	CTCAACCTGA	CCPACACCAA	2280
GCAGAACTTT	TTAGCCAGGA	CGCCAATTCT	CCAGGCGCTG	CAGCATGTCC	AAGCGAGCTG	2340
TGACGAAGCC	CACAAGATGA	AATTCACTGA	TCTCTTCTCC	CTGGCGGAGG	AATATGAGGA	2400
CTCTTCCACC	AAGCCACCCA	AGAGCCGGCG	AAAAGCAGCT	CTGTCCAGCC	CTCGAAGTCG	2460
AAAGAATGCC	ACACAGCCCC	CCAATGCCGA	AGAAGAGTCG	GGCTCCAGCA	GTGCTTCAGA	2520
AGAGGAAGAC	ACGAAACCGA	AGCCTACCAA	GCGGAAACGA	AAAGGGTCCT	CTGCAGTGGG	2580
CTCTGACAGT	GACTGAGGCC	CTGCATTCCC	CATCCCACCC	CCGGCTGGAC	TGCCCTCTCC	2640
TTCTTGGTGA	TTCAAAGGTT	AATAGAGGCT	GAGGAGATTG	CAGGGGAAAC	ACCCTTGCTG	2700
CATCCCCAAG	CTCCCCCGGT	GGAAGGAGGA	GCTTTCTCCT	CTGGCTGAGT	TTGAGAAGCT	2760
GCCATGCAGC	CCCTAGCCCC	TTCCCTCCTC	CTGGGGCCTC	CAGCCCCCTCA	CACTGCTGTT	2820
CCCAGTGATA	TTTGGGATCT	GACTGAAGCC	AGAGGCTCTG	TAAAATCAGA	CCATAGTGGA	2880
AGTCCTCAGC	CCCCTGGCCC	CTTCCGCAAT	CTCCTCCCCC	AGTCTCCCAA	AGAGCCATTT	2940
CAACAGAGAA	GGGAAATGAC	AAAGGGGCAG	CTGGCCAGAT	AAGCTAGGAT	GAGAGCAGAG	3000
ACTCAGTGTG	TGGGTGTCCC	TTCTTGCTTC	COCTTCAGGT	CTTGGTTTGT	TCTGAAGGGA	3060
CGTTTTATAG	TCACTATCCA	CATGCCAGTG	TGAAATGGGC	ATCTATGACG	TGGTCAGGGT	3120
GTCCATTCCOT	AATCATGGGG	CAGATGCCAC	AAGCATTACG	AAAGGAGTCT	GAAAGGGTGG	3180
CCACAGCCCC	ACGTGGTGTG	CCCTGGAGGC	TTAGTTGGT	CTGAGGTTGG	CACCTCAATC	3240
TACACCAGAG	CCCAGGGAGT	CCCAGAGGCA	AGTTTCACAG	AATTGTCAA	TGATCCCATT	3300
TCCTTGAGTC	TGTTTTTTTT	TTTTGTTTTT	TTTTGTTTTT	TTTTTGCCAG	AGATAATCGT	3360
GTCTTAAAG	TTGTTTTTAA	ATGACAATAA	AACAAGCCAG	AATGTCAAAA	AAAAAA	3416

Name: 294	Len: 1927	Check: 12B5				
GTAAACCAGC	CGGAGCGGCG	CGGCAGCGGC	AGGACGCGCG	TGGCGCCTAG	AGTAGCGACC	60
CGGGGGGAGC	GCGGGGCGAC	GCTGGCTGCA	GGGACCGCGT	GACAGCGTGA	GAGGTTGCGA	120
GAGTACTAGG	TTTTCACAAG	CTTGCAATCAT	GCGTGAGTAT	AAGCTAGTCG	TTCTTGGCTC	180
AGGAGGCGTT	GGAAAGTCTG	CTTTGACTGT	ACAATTTGTT	CAAGGAATTT	TTGTAGAAAA	240
ATACGATCCT	ACGATAGAAG	ATTCTTATAG	AAAGCAAAGT	GAAGTAGATG	CACAACAGTG	300
TATGCTTGAA	ATCTTGGATA	CTGCAGGAAC	GGAGCAATTT	ACAGCAATGA	GGGATTTATA	360
CATGAAAAAT	GGACAAGGAT	TTGCATTAGT	TTATTCCATC	ACAGCACAGT	CCACATTTAA	420
CGATTTACAA	GACCTGAGAG	AACAGATTCT	TCGAGTTAAA	GACACTGATG	ATGTTCCAAT	480
GATTCTTGTT	GGTAATAAGT	GTGACTTGGA	AGATGAAAGA	GTTGTAGGGA	AGGAACAAGG	540
TCAAAATCTA	GCAAGACAAT	GGAACAACCTG	TGCATTCTTA	GAATCTTCTG	CAAAATCAAA	600
AATAAATGTT	AATGAGATCT	TTTATGACCT	AGTGCGGCAA	ATTAACAGAA	AAACTCCAGT	660
GCCTGGGAAG	GCTCGCAAAA	AGTCATCATG	TCAGCTGCTT	TAATATACTA	AATGCATTGT	720
AGCTCTGAGC	CAGGTCTGAA	GAACTGTGTC	CCAATTC AAC	AGTGCCAGCA	TTCCAATTTT	780
GTAAACCTA	CCAACATCTT	AAATGGACTT	TCCTGTGGTG	GTACCCCTTA	AGAGGCGGAT	840
GAAAGCTACT	ATATCAGTTT	GCACATTCTA	ATCACTTTCC	AGTATCACAA	GAGAGATTTT	900
TACTTATATA	ATAGTCCTAG	AGTTTGCAGC	TGGTAAAACC	AGAGGCTACA	TCCAGTATTA	960
CTGCTAAGAG	ACATTCTTCA	TCCACCAATG	TTGTACATGT	ATGAAAATGG	TGTACTGTAT	1020
ACTTTAACAT	GCCCCATACT	TTGTATTGGA	GAGTACAATA	ATGTAAATCC	TAAAAGCACC	1080
ACTATTTTAG	CATAATAAAA	GAAAGTCCAA	AGAGCTCCTA	TATAGACTAC	TCCAGATAAC	1140
PTCGCTTCTT	TGATACTTGT	AGCTTATTGT	AATTTTTTTT	AAGAAATTCA	AGGTCATTAT	1200
TATTGTACAA	AATAAGCGCT	TTGATTAAAC	CAGCTATATA	GTTTTTTTAA	TTTTTAAAAA	1260
ACCTGTGGAG	ACGGTGATCT	TGTCTTTAAA	ACATGATAGT	CCTTTTCAGTA	TAATGTCTTA	1320
GATTAAAGAC	GTTGCCTTTA	ATATCTGTTG	GGAAGGAAAT	GTCCAGACTT	TTCAAATCTC	1380
TTATTATATG	TTTCCTTTTT	TTGTTTACAT	AGGGAACAAAT	GTTTATAGTC	GTGTGTACAG	1440
TGGGGGTCTA	CAACAAGAAG	TGTATATTTT	CAAACAATTT	TTTAATGATT	TAACAATTTT	1500
TGTAAATCAT	TTTCAGGCTT	CTGCAGCTGT	AGATTCTCAC	TGTGAATCCC	TTGCTTGCTC	1560
ATGCATAAGT	GTATTTGCAA	TACCAAATAT	ACAGGTTTAG	TATTTTGGCC	TGTTAGTGAT	1620
TGTTTCACAT	GTGTAACGTT	TTGGTTGAGA	TGTTAAATGG	TGGACGAGTA	CTGTGGATGT	1680
GAATGTGGGA	AGTAATTTTA	ATCATATGTA	ATTGGTCAAC	AGGCCTAATT	TGCAGTAACT	1740
ATTGCTGTTT	TATTTAACAA	TGCCTTGTTG	CTTTGTATGC	ATTAATGTTT	GGATGTAAAG	1800
ATTGTGTGTC	TATCCAACAG	GGAGCCACAG	TATTTAAATT	GACCAACCTA	ATGTTACAAC	1860
TACTTTGAGG	TGGCCAAATG	TAAACTAAAA	GCCTTAATTA	AAGTGGTGCA	ATTTTGTAAA	1920

78

1927

AAAAAAA  
 Name: 295 Len: 1453 Check: 4EC

GGCTGTTGGC	GGCGGTTGGC	TCGGCGCGGG	AGTCGGCTGC	ACGTGCGGGC	GGGGGCGATG	60
CGTCACTGAT	CGGAGGAACG	AGAATGAATA	TGACTCAAGC	CCGGGTTCTG	GTGGCTGCAG	120
TGGTGGGGTT	GGTGGCTGTC	CTGCTCTACG	CCTCCATCCA	CAAGATTGAG	GAGGGCCATC	180
TGGCTGTGTA	CTACAGGGGA	GGAGCTTTAC	TAAGTAGCCC	CAGTGGACCA	GGCTATCATA	240
TCATGTTGCC	TTTCATTACT	ACGTTTCAGAT	CTGTGCAGAC	AACACTACAA	ACTGATGAAG	300
TTAAAAATGT	GCCTTGTTGA	ACAAGTGGTG	GGGTCTATGAT	CTATATTGAC	CGAATAGAAG	360
TGGTTAATAT	GTGGGCTCCT	TATGCAGTGT	TTGATATCGT	GAGGAACAT	ACTGCAGATT	420
ATGACPAAGAC	CTTAATCTTC	AATAAAATCC	ACCATGAGCT	GAACCACTTC	TGCAGTGCCC	480
ACACACTTCA	GGAAAGTTTAC	ATTGAATTGT	TTGATCAAAT	AGATGAAAAC	CTGAAGCAAG	540
CTCTGCAGAA	AGACTTAAAC	CTCATGGCCC	CAGGTCTCAC	TATACAGGCT	GTGCGTGTTA	600
CAAAACCCAA	AATCCCAGAA	GCCATAAGAA	GAAATTTTGA	GTTAATGGAG	GCTGAGAAGA	660
CAAACTCCT	TATAGCTGCA	CAGAAACAAA	AGGTTGTGGA	AAAAGAAGCT	GAGACAGAGA	720
GGAAAAAGGC	AGTTATAGAA	GCAGAGAAGA	TTGCACAAGT	GGCAAAAAT	CGGTTTCAGC	780
AGAAAGTGAT	GGAAAAAGAA	ACTGAAAAGC	GCATTTCTGA	AATCGAAGAT	GCTGCATTCC	840
TGGCCCCGAGA	GAAAGCGAAA	GCAGATGCTG	AATATTATGC	TGCACACAAA	TATGCCACCT	900
CAACAAGCA	CAAGTTGACC	CCGGAATATC	TGGAGCTCAA	AAAGTACCAG	GCCATTGCTT	960
CTAACAGTAA	GATCTATTTT	GGCAGCAACA	TCCCTAACAT	GTTCGTGGAC	TCCTCATGTG	1020
CTTTGAAATA	TTCAGATATT	AGGACTGGAA	GAGAAAGCTC	ACTCCCCTCT	AAGGAGGCTC	1080
TTGAACCCCTC	TGGAGAGAAC	GTCATCCAAA	ACAAAGAGAG	CACAGGTTGA	TGCAAGAGGT	1140
GGAAATGTTT	TCCATATCAA	GATGTGGCCC	AAGGGGTTAA	GTGGGAACAA	TCATTATACG	1200
GACTCTTCAG	ATTTACAGAG	AACTTACACT	TCATCTGTTT	CACCTCTCCT	GCGATAGTCC	1260
TGGGTGCTCC	ACTGATTGGA	GGATAGAGCC	AGCTGTCTGA	CACACAAATG	GTCTTTTCAG	1320
CCACAGTCTT	ATCAAGTATC	CTATATGTAT	TCCTTTCTAA	ACTGCTACTC	ATGAATGAGG	1380
AAAGTCTGAT	GCTAAGATAC	TGCCTGCACT	GGAATGTTAA	ACACTAAATA	TATAACAAGC	1440
TGTGTTTTTCG	TAA					1453

Name: 296 Len: 3120 Check: 678

CCGCAGAGGG	CCGGGGCTAC	GGGGCAGCCC	CGGGCGATGA	GGGGCCGGCG	TTGACCGGGA	60
AGAGCGGGCA	CCGCGGCAGT	GGCTCCGAGG	GGACCCGCGA	TGGCAGCGCC	CTGAGAGGAG	120
GCTCCAGGCA	GGGCGGGCTG	CGCTGGCAGC	GGCCGCTGAG	GTGCTGGCCG	GCCGGCTGGC	180
TGGCGACGGG	GGCAGAAGCG	ACGAGAGGGC	CGCTCGGCAC	CCGCACCCCC	GTGCCCCCGC	240
CTCAGTTGTC	TAAACTTCGG	GCTCTCTTCC	ACCGTCTGCG	CGCCCAGAGT	CAACAACTTC	300
TTACCCCCC	TCCGCCCCCG	CCCTTCCCCC	CGTCAGCCCC	GGGAGCTCGC	CGCGCCCCCG	360
GGACCAGGAA	CCTCCAGCGC	TGAGATGTGG	CCGTGAGGCG	TTGGCGGGCG	CCGAGGAGAA	420
GCTCGGCGGC	GTCCCGGGGC	CGGAGGGCCG	TGGGGCCGGG	GCGCAGGGGC	GCGAGCACCC	480
CGCGCCTCTC	CCCCGCCTCC	TCCTGCCGTC	TCCGCCGCTG	CCCGTGCCCT	GCAAGCAGCA	540
GCCGGAGCTG	CCAAGCGTCA	GGGCCCGCGA	GATGTCGTGG	TCGTGCGCCG	CGGCGGGGGC	600
TGCCAGCGCC	GCCATCTCGG	CCTCGGAGAA	AGTGGACGGC	TTACCCCGGA	AATCGGTCCG	660
CAAGGCGCAG	AGGCAGAAGC	GCTCCCAGGG	CTCGTCGCAG	TTTCGCAGCC	AGGGCAGCCA	720
GGCAGAGCTG	CACCCGCTGC	CCCAGCTCAA	AGATGCCACT	TCAAATGAAC	AACAAGAGCT	780
TTTCTGTGAG	AAGTTGCAGC	AGTGTGTGAT	ACTGTTTGAT	TTCATGGACT	CTGTTTCAGA	840
CTTGAAGAGC	AAAGAAATTA	AAAGAGCAAC	ACTGAATGAA	CTGGTTGAGT	ATGTTTCAAC	900
TAATCGTGGT	GTAATTGTTG	AATCAGCGTA	TTCTGATATA	GTAATAATGA	TCAGTGCTAA	960
CATCTTCCGT	ACACTTCCCT	CAAGTGATAA	TCCAGATTTT	GATCCAGAAG	AGGATGAACC	1020
CACGCTTGAG	GCCTCTTGGC	CTCACATACA	GTTGGTATAT	GAATTCTTCT	TGAGATTTTT	1080
GGAGAGCCCT	GATTTCCAGC	CTAGCATTGC	AAAACGATAC	ATTGATCAGA	AATTCGTACA	1140
ACAGCTCCTG	GAGCTTTTTT	ATAGTGAAGA	TCCCAGAGAA	CGTGAATTCC	TGAAGACTGT	1200
TCTGCACCGA	ATTTATGGGA	AATTTCTTGG	ATTAAGAGCA	TTCATCAGAA	AACAAATTAA	1260
CAACATTTTC	CTCAGGTTTA	TATATGAAAC	AGAACATTTT	AATGGTGTG	CTGAACTTCT	1320
TGAAATATTA	GGAAGTATTA	TCAATGGCTT	TGCAATTGCCA	CTGAAAGCAG	AACATAAACA	1380
ATTTCTAATG	AAGGTTCTTA	TTCTATGCA	TACTGCAAAA	GGATTAGCTT	TGTTTCATGC	1440
TCAGCTAGCA	TATTGTGTTG	TACAGTTCCT	GGAGAAAGAT	ACAACACTAA	CAGAGCCAGT	1500
GATCAGAGGA	CTGCTGAAAT	TTTGGCCAAA	AACCTGCAGT	CAGAAAGAGG	TGATGTTTTT	1560
AGGAGAAATT	GAAGAAATCT	TAGATGTCAT	TGAACCAACA	CAGTTCAAAA	AAATTGAAGA	1620
GCCACTTTTC	AAGCAGATAT	CCAAGTGTGT	ATCCAGTTCT	CATTTTCAGG	TTGCAGAAAG	1680
GGCATTGTAC	TTCTGGAATA	ACGAATATAT	TCTTAGTTTG	ATTGAGGAGA	ACATTGATAA	1740
AATTCGTCCA	ATTATGTTTG	CCAGTTTGTA	CAAAATTTCC	AAAGAACACT	GGAATCCGAC	1800
CATTGTAGCA	CTGGTATACA	ATGTGCTGAA	AACCCTAATG	GAAATGAATG	GCAAGCTTTT	1860
CGATGACCTT	ACTAGCTCAT	ACAAAGCTGA	AAGACAGAGA	GAGAAAAAGA	AGGAATTGGA	1920
ACGTGAAGAA	TTATGGAAAA	AATTAGAGGA	GCTAAAGCTA	AAGAAAGCTC	TAGAAAAACA	1980
GAATAGTGCT	TACACATGCT	ACAGTATTCT	CAGCAATACA	AGTGCCGAAT	AAAAAATAAG	2040
CCTCCCACCT	CTGCCGGATA	GGCAGAGTTT	TGTATGCTTT	TTTGAAATAT	GTAATAATTA	2100

79

CAAAACAAAC CTCATCAGTA TAATATAATT AAAAGGCCAA TTTTCTCTGG CAACTGTAAA 2160  
 TGGAAAAATA TATGGACTAA ACGTAGCCCT GTGCTGTATC ATGGCCATAG TATATTGTAA 2220  
 CCTTTGTCTA ATCATTGGAT TTATTGTGTC ACTTCTGAAG TTTCACAGAA ATGAATGAAT 2230  
 TTTATCATCT ATGATATGAG TGAGATAATT ATEGGAGTGG TAAGAATTAT GACTTGAATT 2340  
 CTTCTTTGAT TGTGTGAC ATAGATATGG TAGTCTGCTC TGTATATTTT TCCCTTTTAT 2400  
 AATGTGCTTT TCACACTGCT GCAAACCTTA GTTACATCCT AGGAAAAAT ACTTCCTAAA 2460  
 ATAAACTAA GGTATCATCC TTACCCTTCT CTTTGTCTCA CCCAGAAATA TGATGGGGGG 2520  
 AATTACCTGC CCTAACCCCT CCTCAATAA ATACATTACT GTACTCTGGA ATTTAGGCAA 2580  
 AACOTTAAT CTCCAGGCTT TTTAAAGCAC AAAATATAAA TAAAGCTGG GAAAGTAAAC 2640  
 CAAAATTCTT CAGATTGTTT CTCATGAATA TCCCCCTTCC TCTGCAATTC TCCAGAGTGG 2700  
 TAACAGATGG GTAGAGGCAG CTCAGGTGAA TTACCCAGCT TGCCTCTCAA TTCATTCTCT 2760  
 CTCTTCTCTT CAAAGGCTGA AGGCAGGGCC TTTCCAGTCC TCACAACCTG TCCCTCACCT 2820  
 AGTCCCTCCT GACCCAGGGA TGGAGGCTTT GAGTCCCACA GTGTGGTGAT ACAGAGCACT 2880  
 AGTTGTCACT GCCTGGCTTT ATTTAAAGGA ACTGCAGTAG GCTTCTCTG TAGAGCTCTG 2940  
 AAAAGGTTGA CTATATAGAG GTCTGTATG TTTTACTTG GTCAAGTATT TCTCACATCT 3000  
 TTTGTTATCA GAGTACCATT CCAATCTCTT AACTTGCAGT TGTGTGGAAA ACTGTTTTGT 3060  
 AATGAAAGAT CTTTATTGGG GGATTGASCA GCATTTAATA AAGTCTATGT TTGTATTTTG 3120

Name: 297 Len: 1759 Check: 127B  
 CAGCCGTTGA GGGGACGGGC CTGCGTTCTC TCCTCCTTCC TCCCCGCTC CAGCTGCCGG 60  
 CAGGACCTTT CTCTCGCTGC CGCTGGGACC CGGTGTCTATC GCCCAGGCCG AGCAGCATGC 120  
 CCCCTAAAAA GGGAGGTGAT GGAATTAAC CACCCCCAAT CATTGGAAGA TTTGGAACCT 180  
 CACTGAAAT TGGTATTGTT GGATTGCCAA ATGTTGGGAA ATCTACTTTC TTCAATGTGT 240  
 TAACCAATAG TCAGGCTTCA GCAGAAACT TCCCGTTCTG CACTATTGAT CCTAATGAGA 300  
 GCAGAGTACC TGTGCCAGAT GAAAGGTTTG ACTTTCITTG TCAATACCAC AAACCAGCAA 360  
 GCAAAATTCC TGCCTTTCTA AATGTGGTGG ATATTGCTGG CCTTGTGAAA GGAGCTCACA 420  
 ATGGGCAGGG CCTGGGGAAT GCTTTTTTAT CTCATATTAG TGCCTGTGAT GGCATCTTTC 480  
 ATCTAACACG TGCTTTTGAA GATGATGATA TCACGCACGT TGAAGGAAGT GTAGATCCTA 540  
 TTCGAGATAT AGAAATAATA CATGAAGAGC TTCAGCTTAA AGATGAGGAA ATGATTGGGC 600  
 CCATTATAGA TAAACTAGAA AAGGTGGCTG TGAGAGGAGG AGATAAAAAA CTAAACCTG 660  
 AATATGATAT AATGTGCAAA GTAAATCCT GGGTTATAGA TCAAAAGAAA CCTGTTCCGT 720  
 TCTATCATGA TTGGAATGAC AAAGAGATTG AAGTGTGAA TAAACACTTA TTTTGTACTT 780  
 CAAAACCAAT GGTCTACTTG GTTAATCTTT CTGAAAAAGA CTACATTAGA AAGAAAAACA 840  
 AATGGTTGAT AAAAATTAAA GAGTGGGTGG ACAAGTATGA CCCAGGTGCT TTGGTCATTC 900  
 CTTTATAGTG GGCCTTGGA CTCAAGTTGC AAGAATTGAG TGCTGAGGAG AGACAGAAGT 960  
 ATCTGGAAGC GAACATGACA CAAAGTGCTT TGCCAAAGAT CATTAAAGGCT GGGTTTGCAG 1020  
 CACTCCAAT AGAATACTTT TTCACTGCAG GCCCAGATGA AGTGCCTGCA TGGACCATCA 1080  
 GGAAAGGGAC TAAGGCTCCT CAGGCTGCAG GAAAGATTCA CACAGATTTT GAAAAGGGAT 1140  
 TCATTATGGC TGAAGTAATG AAATACGAAG ATTTTAAAGA GGAAGGTTCT GAAAATGCAG 1200  
 TCAAGGCTGC TGGAAAGTAC AGACAACAAG GCAGAAATTA TATTGTTGAA GATGGAGATA 1260  
 TTATCTTCTT CAAATTTAAC ACACCTCAAC AACCAGAGAA GAAATAAAAT TTAGTTATTG 1320  
 CTCAGATAAA CATACAATT CCAAAAGGCA TCTGATTTTT AAAAAATTAA AATTCTGAA 1380  
 AACCAATGCG ACAATAAAG TTGGGGAGAT GGGAAATCTTT GACAAACAAA TTATTTTAT 1440  
 TTGTTTTAAA ATTAAATAC TGTGTACCCC CCCCCCCCCA TGAAATGCAG GTTCACTAAA 1500  
 TGTGAACAGC TTTGCTTTTC ACGTGATTAA GACCTACTC CAAATTGTAG AAGCTTTTCA 1560  
 GGAACCATAT TACTCTCATG ATACTTCATT AATCTCCATC ATGTATGCCA AGCCTGACAC 1620  
 ATTTGACAGT GAGGACAATG TGGCTTGCTC CTTTTTGAAT CTACAGATAA TGCATGTTT 1680  
 ACAGTACTCC AGATGTCTAC ACTCAATAAA ACATTTGACA AAACCAAAAA AAAAAAAAAA 1740  
 AAAAAAAAAA AAAAAAAA

Name: 298 Len: 2374 Check: 1C94  
 GTCATGCAGT GCGCCGGAGA ACTGTGCTCT TTGAGGCCGA CGCTAGGGGC CCGGAAGGAA 60  
 ACTGCGAGGC GAAGGTGACC GGGGACCGAG CATTTAGAT CTGCTCGGTA GACCTGGTGC 120  
 ACCACCACCA TGTGGCTGC AAGGCTGGTG TGTCTCCGGA CACTACCTTC TAGGGTTTTC 180  
 CACCCAGCTT TCACCAAGGC CTCCCCTGTT GTGAAGAATT CCATCAGGAA GAATCAATGG 240  
 CTGTTAACAC CTAGCAGGGA ATATGCCACC AAAACAAGAA TTGGGATCCG GCGTGGGAGA 300  
 ACTGGCCAAG AACTCAAAG GGCAGCATTG GAACCATCGA TGGAAAAAT ATTTAAAT 360  
 GATCAGATGG GAAGATGGTT TGTGCTGGA GGGGCTGCTG TGGTCTTGG AGCATTGTGC 420  
 TACTATGGCT TGGGACTGTC TAATGAGATT GGAGCTATTG AAAAGGCTGT AATTGGCCT 480  
 CAGTATGTCA AGGATAGAAT TCATTCCACC TATATGTACT TAGCAGGGAG TATTGGTTTA 540  
 ACAGCTTTGT CTGCCATAGC AATCAGCAGA ACGCCTGTTC TCATGAACCT CATGATGAGA 600  
 GGCTCTTGGG TGACAATTGG TGTGACCTTT GCAGCCATGG TTGGAGCTGG AATGCTGGTA 660  
 CGATCAATAC CATATGACCA GAGCCCAGGC CCAAGCATC TTGCTTGGTT GCTACATTCT 720  
 GGTGTGATGG GTGCAGTGGT GGCTCCTCTG ACAATATTAG GGGGCTCTCT TCTCATCAGA 780  
 GCTGCATGGT ACACAGCTGG CATTGTGGGA GGCCTCTCCA CTGTGGCCAT GTGTGCGCCC 840



80

```

AGTGAAAAGT TTCTGAACAT GGGTGCACCC CTGGGAGTGG GCCTGGGTCT CGTCTTTGTG 900
TCCTCATTGG GATCTATGTT TCTTCCACCT ACCACCGTGG CTGGTGCCAC TCTTTACTCA 960
GTGGCAATGT ACGGTGGATT AGTTCTTTTC AGCATGTTC TCTGTATGA TACCCAGAAA 1020
GTATCAAGCG TGCAGAAGTA TCACCAATGT ATGGAGTTCA AAAATATGAT CCCATTAACT 1080
CGATGCTGAG TATCTACATG GATACATTAA ATATATTTAT GCGAGTTGCA ACTATGCTGG 1140
CAACTGGAGG CAACAGAAAAG AAATGAAGTG ACTCAGCTTC TGGCTTCTCT GCTACATCAA 1200
ATATCTTGTT TAATGGGGCA GATATGCATT AAATAGTTTG TACAAGCAGC TTTGCTTGAA 1260
GTTTAGAAGA TAAGAAACAT GTCATCATAT TTAATGTTTC CGGTAATGTG ATGCCTCAGG 1320
TCTGCCTTTT TTTCTGGAGA ATAAATGCAG TAATCCTCTC CCAAATAAGC ACACACATTT 1380
TCAATTCTCA TGTGAGAGTG ATTTTAAAAAT GTTTTGGTGA ATGTGAAAAC TAAAGTTTGT 1440
GTCATGAGAA TGTAAGTCTT TTTTCTACTT TAAAATTTAG TAGGTTCACT GAGTAACTAA 1500
AATTTAGCAA ACCTGTGTTT GCATATTTT TTGGAGTGCA GAATATTGTA ATTAATGTCA 1560
TAAGTGATTT GGAGCTTTGG TAAAGGGACC AGAGAGAAGG AGTCACCTGC AGTCTTTTGT 1620
TTTTTTAAAT ACTTAGAACT TAGCACTTGT GTTATTGATT AGTGAGGAGC CAGTAAGAAA 1680
CATCTGGGTA TTTGGAAACA AGTGGTCATT GTTACATTCA TCTGCTGAAC TTAACAAAAC 1740
TGTTCACTCT GAAACAGGCA CAGGTGATGC ATTCTCCTGC TGTGCTTCT CAGTGCTCTC 1800
TTTCCAATAT AGATGTGGTC ATGTTTGACT TGTACAGAAT GTTAATCATA CAGAGAATCC 1860
TTGATGGAAT TATATATGTG TGTTTTACTT TTGAATGTTA CAAAAGGAAA TAACTTTAAA 1920
ACTATTTCTA AGAGAAAATA TTCAAAGCAT GAAATATGTT GCTTTTTCCA GAATACAAAC 1980
AGTATACTCA TGAATTGCTA AGTGTTTTTT TATTTTGGCA TATTTATTGA ACTGTCTAAT 2040
TGAATACAGC TTGCTCTTGT CACCTCTTCA AGCTTTCAAG CCTTTATAGA AAAGCTTCTT 2100
TGTGGCTTAC ACTGGAAATT ATGAAAGCAG TTTTCTCCT AAGACTTTTG GTTTCTCGCA 2160
TTGCCTCTCA GACTAAGCAC TAAAAAGCAA AGCAAAACAG AACTAGTTCT GTCTTAATGA 2220
AATATATCAA CCCAAAAGTG TAATGAGGAA AATGCTTCAT TAGTTTCCCC TAGCAGACTT 2280
TTACTTCTCT TACACTGCTA CACCATTACT TTCTTGAGAC ATTTGTAAGT CCTTGATAC 2340
AGAAGAGTTA TATTTAGGAG GCTTTAATGA AGGG 2374

```

Name: 299

Len: 5112 Check: 15A6

```

GTAGCTGGGG TGAGGCCGTC GTCGCCGCAC GGGCTGGTIG GGGCTGTGTC TGTGGGAGGC 60
CCCGGGGTGA TGGCGGTGGA GACTCTGTCC CCGGACTGGG AGTTTGACCG CGTTGACGAC 120
GGCTCGCAGA AAATTCATGC CGAAGTCCAA CTTAAGAATT ATGGGAAATT TCTTGAGGAG 180
TATACCTCTC AACTGAGAAG AATTGAGGAC GCTCTGGATG ACTCAATTGG AGATGTTTGG 240
GATTTCAATC TTGATCCTAT AGCATTAAAG CTTTTCCTT ATGAACAGTC CTCTCTTTG 300
GAAGTCATAA AGACTGAAAA CAAGGTCTTA AACAAAGTCA TCACTGTTTA TGCTGCACTT 360
TGTTGTGAAA TCAAGAAATT AAAATATGAG GCTGAAACTA AATTTTACAA TGGTCTCTTG 420
TTTTATGGAG AAGGAGCTAC AGATGCCAGC ATGGTGGAAG GTGATTGCCA AATTCAAATG 480
GGGAGATTTA TTTCAATTCT ACAGGAAGTG TCTTGCTTTG TTACGAGGTG CTATGAAGTG 540
GTGATGAAGC TAGTCCACCA GTTGGCTGCC CTCTATATCA GTAACAAGAT TGCACCCAAA 600
ATTATAGAGA CAACTGGAGT TCATTTTTCAG ACTATGTATG AGCACTTGGG AGAACTGCTA 660
ACAGTTTTGC TCACCCTGGA TGAAATTATT GATAATCATA TCACACTGAA AGACCACTGG 720
ACTATGTACA AAAGGTTACT GAAATCTGTC CATCACAATC CTTCAAAATT TGGAATTCAG 780
GAAGAAAAAT TAAAGCCATT TGAAAAGTTC TTGCTGAAGC TAGAAGGGCA ATTACTGGAT 840
GGAATGATAT TCCAGGCCTG TATAGAACAA CAATTTGATT CTCTCAATGG AGGAGTATCT 900
GTGTCAAAAA ATAGTACTTT TGCTGAGGAA TTTGCACATA GTATTGGGTG AATTTTGGCA 960
AATGTAGAAG CCAAACCTTG AGAACCTTCT GAAATTTGACC AGAGAGACAA GTATGTTGGA 1020
ATTTGTGGAC TCTTTGTATT GCACTTTTCAG ATTTTTCGAA CTATTGATAA AAAGTTTAT 1080
AAGTCTTTAT TGGACATTTG TAAGAAGGTA CCAGCCATCA CTCTAACTGC TAATATTATT 1140
TGGTTTCCTG ATAATTTTCT GATCCAGAAA ATACCAGCAG CTGCCAAACT GCTAGACAGA 1200
AAAAGTCTTC AAGCCATTAA AATACACAGG GATACTTTTC TACAACAGAA AGCTCAATCA 1260
CTTACCAAAG ATGTACAGTC TTACTACGTC TTTGTGAGCT CATGGATGAT GAAAATGGAA 1320
TCTATTTTGT CTAAGAGCA GAGAATGGAT AAATTTGCTG AAGATCTCAC CAATAGATGT 1380
AATGTTTTTA TACAGGGCTT CTGTATGCA TATAGTATTA GTACCATTAT TAAAACCACA 1440
ATGAATCTCT ACATGTCCAT GCAAAAAGCCA ATGACCAAAA CCTCAGTTAA GGCATTGTGC 1500
AGGCTTGTTG AACTTCTCAA GGCAATAGAG CATATGTTCT ACAGGAGAAG CATGGTTGTG 1560
GCTGATTCAG TTTCACATAT AACACAGCAC CTTCAACATC AGGCTCTTCA TTCTATTTCT 1620
GTGGCCAGA AAGAGTGAT TTCTGACAAA AAATACAGCG AACAGCGTCT TGATGTGCTC 1680
TCTGCTCTAG TTTTGGCTGA AAACACTCTA AATGGACCAA GCACAAAGCA ACGGCGACTT 1740
ATTGTTTCTT TGGCACTAAG TGTGCGCACA CAAATGAAAA CATTTAAAGA TGAAGAACTC 1800
TTTCCACTTC AAGTAGTCAT GAAAAAAGTG GATCTTATTA GTGAACCTAG AGAACGAGTC 1860
CAACACAAAT GTGACTGTTG TTTTTATAC TGGCATCGAG CTGTCTTCCC AATTTATTTA 1920
GATGATGTAT ATGAAAATGC TGTGATGCA GCCAGATTAC ATTACATGTT CAGTGCTTTG 1980
CGCGACTGTG TACCTGCTAT GATGCATGCA AGGCATTTAG AGTCCTATGA GATACTTCTG 2040
GATTGCTATG ACAAGGAAAT TATGGAAATT TTAATGAGC ATTTGCTGGA CAAATTATGC 2100
AAAGAAATAG AGAAAGATCT GCGACTTTCT GTGCATACTC ATTTAAAGCT GGATGACCGA 2160

```



8-1

AACCCCTTTCA AAGTTGGCAT GAAAGACCTG GCTCTTTTTT TCTCTCTGAA TCCAATTCGG 2220  
 TTTTTCATC GTTTCATTGA CATTGCGGCT TACGTAACTC ACTACCTAGA CAAGACTTTC 2290  
 TACAATCTAA CAACTGTAGC CCTTCATGAC TGGGCCACTT ATAGTGAGAT GAGAACTTA 2340  
 GCTACTCAGC GTTATGGACT GGTATGACA GAGGCACATC TTCCCAGTCA GACTTTGGAA 2400  
 CAGGGCCTTG ATGTTTTAGA AATTATGAGA AACATTCATA TATTGTGTC CCGATACCTC 2460  
 TATAATCTCA ACAATCAGAT TTTTATTGAA CGAACAAGCA ATAACAAGCA TTTGAATACT 2520  
 ATTAATATTC GGCATATTGC TAATTCAATT CGAACACATG GCACGGGAAT TATGAATACA 2580  
 ACTGTTAATT TCACCTACCA GTTTTTGAAA AAGAAGTTCT ATATATTTAG CCAATTTATG 2640  
 TATGATGAAC ACATCAAAATC CAGATTGATT AAAGATATTC GATTTTTTCAG GGAAATTAAG 2700  
 GACCAAAATG ATCATAAGTA TCCTTTTGAT AGAGCAGAAA AATTCATTCG AGGCATCAGA 2760  
 AAACCTTGGAA TAACACCTGA GGGACAGAGC TACCTTGATC AATTCAGGCA ACTCATCAGC 2820  
 CAGATTGGTA ATGCTATGGG CTATGTACGA ATGATAAGAT CTGGTGGTCT TCATTGTAGC 2880  
 AGCAATGCCA TTAGATTTGT TCCTGATCTT GAAGATATTG TAAATTTTGA AGAACTAGTA 2940  
 AAAGAAGAAG GTCTGCAGA AGAAACATTA AAAGCAGCAA GGCATTTTGA TTCAGTCTC 3000  
 AGTGATCACA CACGAAATTC TGCCGAAGGC ACAGAATATT TCAAATGCT TGTAGACGTT 3060  
 TTTGCTCCAG AATTCGAAG GCCAAAGAAT ATACATCTCC GAAATTTCTA TATAATTGTT 3120  
 CCCCCTCTGA CCTCAACTT TGTAGAGCAT TCCATTAGTT GCAAGGAAAA ATTAATAAAA 3180  
 AAAAATAAAA TTTGAGCTGC CTTTACTGAT GATGGCTTTG CCATGGGTGT GGCTTACATT 3240  
 CTAAAGCTTT TGGATCAGTA TCGGGAGTTT GATTCACCTC ACTGGTTCCA GTCTGTTAGA 3300  
 GAGAAATACC TGAAGGAGAT AAGAGCAGTT GCTAAGCAAC AGAATGTACA GTCAGCCAGT 3360  
 CAAGATGAAA AACTCTTACA AACCATGAAT CTCACTCAGA AGCGACTGGA TGTCTATCTA 3420  
 CAGGARTTTG AATTGCTGTA TTTCTCACTG AGCAGTGCAA GAATTTTCTT CAGAGCAGAC 3480  
 AAGACTGCGG CTGAAGAAAA CCAAGAAAAA AAAGAGAAGG AAGAAGPAAC TAAAACAAGC 3540  
 AATGGAGACC TGTCTGACAG CACTGTGTCT GCTGATCCTG TTGTGAAATG ATACGGATGG 3600  
 TATTCAGTGC ACATATGATG AAATCATCAG AATTGTTAAA ACTTTTGCCA GTGGAAATGA 3660  
 TAACTATTG ATGAATTGTT TCCTGGGTCA CATCTCTGGA AAATAGATGT TACAGTTCTT 3720  
 AAAGGCAGTG CTTTAAAGTG AAGTTCATTG TGTTTCCAAA GGCTCTACTT TCAAAGGTTA 3780  
 AGAATGAGAT TTTAAATTTG GATTTTTGCC TGGACTTGAG GGTACAAGAT GTTTCTATT 3840  
 GAAGTGAAGT TATAAAAGGG CAAATCCAGA TTCATAAAT ATCACCTCGG ATTTCTTGT 3900  
 ATCTACATGT TTGTAATTTG TATTTGCATA GATCTTTGAT CTATAGTTAT TTCAAGTCAT 3960  
 GGGAAATTCA ATGCATATAC TATATACAGC CAGTAAATAC ATGCTTAACA AAAGGAATGA 4020  
 GCCTGAAGTT CATAAAGAA ACATATCAAT ATTCTTATAA AAGGAATATA TGAAGATGGC 4080  
 TTTGATACTA GAGGTGAGGC ACAAGTGTTT TATGTAATCT CAGTGTACAG TATAACTGAT 4140  
 GATCCTTCTT TCATTGTTAA TTTCAATGTA CTCACAAGAG CTGCTGATGT CTTTGATGAG 4200  
 ACATTTTATA ACTAGTTTAC ATTGCTTTGA GAACATTTAA CCTCCAACAG CTGCTTTAAA 4260  
 TTTAAGATTT ACTTAATACT CAGAAAATTC AGATAAAGCC ATAGAGTCCT GTTGAAGCT 4320  
 TCACTTCTAT TTTGGTTGAA GGCATGATGT ATGATGTCAG AAAAAAATT GAATGAATTA 4380  
 TTTCTACATC CAAACTCAGG TTTCTTCTAC ATTAGATTGA ATTGAAATTT TGGTGATGGT 4440  
 TTGGGTAGAC TTTTTTTTTA TATCAAGTAT AATTTAAAAC ATCAGATTAA ATAATTACAC 4500  
 TGTTTCAGGCT TTTAAAAAAA TACCACTGTG AGAATAAAGC GCTAGTAAGA TACATCACTT 4560  
 ACTGATTTTA AAAATACAGA AAGATTTTGA GTAAATTTTG TGCCAGCAA GCTGTTAGTT 4620  
 TTATTTTGT AAAGGTATGT AAGTTATTAA ATGTTAATC ATGGCCTTTT AAAAAATAAA 4680  
 TAAAGTGATA CCTTTACAAT GAAGACAAAA GTTTAAAACT TTCTAATACA AACACCATT 4740  
 TGGGAAATGC TTGATTTTTT TCTATTGCAT TTGTCTGCTA AACATTTCTT TGGATAAATC 4800  
 CTGCAAATAC TTCTAACATT ATTCTTTGAT TCCAGCTTTT AGAATGGGTG TACAATGCC 4860  
 TGTTTGTACT TAATGGTTAG GGTGAGGTA ACTTGCCAGC CCAAGATAAA TACTTTAATC 4920  
 GTTAAAAGTC AGAAGAGACA GAATATGTAG GAAATGTTTT TTGTTTATTA TGTAACATG 4980  
 GCTTACAGAA TTATGAACAG TGGATAGATT AAAGGCATTT AATATTTGTA ATTCATAATA 5040  
 ACTGTAGAAA TGGCCCTAAA GCATGCTGCA TAATTAATAA TTTATATTTT CATTATTATA 5100  
 AGTGTTTATA TT 5112

Name: 3 Len: 360 Check: 1BBA  
 GGCACGAGGC ATAGGGCTCG GCGTGGTTTC ACAGGTGGTT TCTTGGGCAA GATGGGCCCC 60  
 CCTTCAAGTA TTCTGGGATC AAGTTCACGT GCTTTGAATT TGTATTGTTG CAATTTCTCG 120  
 AGCTCCTCAG CCTCCAGCTC TGCTGTACTT TTGCAGGTCA CAGCCCGTGC ACGGTGTTTG 180  
 GTTTGCAGTA CAGGAGTCTG TGGGTCTCTG CAAATCTTGG TCACAGAAGA TTTGGAGGGT 240  
 AACAGGTTAA TATCATCCTT CTTGGCTCCT CAAATGATAT CTGTTAGGGG TTCGTTTATG 300  
 GAAGTCTTCA ACTTGCTGTG CAAGGTGGGC ACATNATGTA GAAACTGTTT CANCAAATGT 360  
 Name: 30 Len: 477 Check: 1EA7  
 CCAGTGTICT AGTTACATTA ATGAGAACAG AAACATAAAC TATGACCTAG GGGTTTTCTGT 60  
 TGGATAGCTT GTAATTAAGA ACGGAGAAAG AACAACAAAG ACATATTTTC CAGTTTTTTT 120  
 TTTCTTTACT TAACTCTGA AAACAACAGA AACTTTGTCT TCCTACTCTT ACATTTCTAAA 180  
 CCGATGAAAT CTTTAAACAGA TTACACTTTA AATATCTACT CATCATTTTC TCTCTCAGAG 240  
 TCCTAGCTTG AGTTGCACTG CATGTATCNT GTGCATCTTG TTCTCTTCAT TTAATGCTGT 300

ACTGTTCTGC TGAGCTCTGA GGGACTATCT TGAGAGATGT AATGGAAGGA AAGCGTGGTG 360  
 TTAATCTGCG TACTGCTTAA GACAGTANTT CCATAATCAA TGATGGGTTC ATAGAGAAAC 420  
 TAAGTCCTAT GAACCTGACC TCCTTTATGG CTAATACGAC TAAGCAAGAA TNGAGGG 477  
 Name: 300 Len: 4834 Check: F95  
 GATGTGGAGC TGGGGTCCCT GCAAGTCATG AACAAAACGA GAAAGATTAT GGAACATGGG 50  
 GGGGCCACCT TCATCAATGC CTTTGTGACT ACACCCATGT GCTGCCCCGC ACGGTCCCTCC 120  
 ATGCTCACCG GGAAGTATGT GCACAATCAC AATGTCTACA CCAACAACGA GAACGTCTCT 130  
 TCCCCCTCGT GGCAGGCCAT GCATGAGCCT CGGACTTTTG CTGTATATCT TAACAACACT 240  
 GGCTACAGAA CAGCCTTTTT TGGAAAATAC CTCAATGAAT ATAATGGCAG CTACATCCCC 300  
 CCTGGGTGGC GAGAATGGCT TGGATTAATC AAGAATTCTC GCTTCTATAA TTACACTGTT 360  
 TGTGCAATG GCATCAAAGA AAAGCATGGA TTTGATTATG CAAAGGACTA CTTACACAGC 420  
 TTAATCACTA ACGAGAGCAT TAATTACTTC AAAATGTCTA AGAGAATGTA TCCCCATAGG 480  
 CCGGTTATGA TGGTGATCAG CCACGCTGCG CCCCACGGCC CCGAGGACTC AGCCCCACAG 540  
 TTTTCTAAAC TGTACCCCAA TGCTTCCCAA CACATAACTC CTAGTTATAA CTATGCACCA 600  
 AATATGGATA AACACTGGAT TATGCAGTAC ACAGGACCAA TGCTGCCCCAT CCACATGGAA 660  
 TTTACAAACA TTCTACAGCG CAAAAGGCTC CAGACTTTGA TGTCAGTGGG TGATTCTGTG 720  
 GAGAGGCTGT ATAACATGCT CGTGGAGACG GGGGAGCTGG AGAATACTTA CATCATTTAC 780  
 ACCGCCGACC ATGGTTACCA TATTGGGCAG TTTGGACTGG TCAAGGGGAA ATCCATGCCA 840  
 TATGACTTTG ATATTCGIGT GCCTTTTTTT ATTCTGTGGT CAAGTGTAGA ACCAGGATCA 900  
 ATAGTCCCAC AGATCGTTCT CAACATTGAC TTGGCCCCCA CGATCCTGGA TATTGCTGGG 960  
 CTCGACACAC CTCCTGATGT GGACGGCAAG TCTGTCTCTA AACTTCTGGA CCCAGAAAAG 1020  
 CCAGGTAACA GGTTCGAAC AAACAAGAA GCGCAAAATTT GCGGTGATAC ATTCTAGTG 1080  
 GAAAGAGGCA AATTTCTACG TAAGAAGGAA GAATCCAGCA AGAATATCCA ACAGTCAAT 1140  
 CACTTGCCCCA AATATGAACG GGTCAAAGAA CTATGCCAGC AGGCCAGGTA CCAGACAGCC 1200  
 TGTGAACAAC CGGGGCAGAA GTGGCAATGC ATTGAGGATA CATCTGGCAA GCTTCGAATT 1260  
 CACAAGTGTA AAGGACCCAG TGACCTGCTC ACAGTCCGGC AGAGCACGCG GAACCTCTAC 1320  
 GCTCGCGGCT TCCATGACAA AGACAAAGAG TGCAGTTGTA GGGAGTCTGG TTACCGTGCC 1380  
 AGCAGAAGCC AAAGAAAGAG TCAACGGCAA TTCTTGAGAA ACCAGGGGAC TCCAAAGTAC 1440  
 AAGCCAGAT TTGTCCATAC TCGGCAGACA CGTTCCTTGT CCGTCGAATT TGAAGGTGAA 1500  
 ATATATGACA TAAATCTGGA AGAAGAAGAA GAATTGCAAG TGTGCAACC AAGAAACATT 1560  
 GCTAAGCGTC ATGATGAAGG CCACAAGGGG CCAAGAGATC TCCAGGCTTC CAGTGGTGGC 1620  
 AACAGGGGCA GGATGCTGGC AGATAGCAGC AACGCCGTGG GCCCACCTAC CACTGTCCGA 1680  
 GTGACACACA AGTGTTTTAT TCTTCCCAAT GACTCTATCC ATTGTGAGAG AGAACTGTAC 1740  
 CAATCGGCCA GAGCGTGGAA GGACCATAAG GCATACATTG ACAAAGAGAT TGAAGCTCTG 1800  
 CAAGATAAAA TTAAGAATTT AAGAGAAGTG AGAGGACATC TGAAGAGAAG GAAGCCTGAG 1860  
 GAATGTAGCT GCAGTAAACA AAGCTATTAC AATAAAGAGA AAGGTGTAAA AAAGCAAGAG 1920  
 AAATTAAGA GCCATCTTCA CCCATTCAAG GAGGCTGCTC AGGAAGTAGA TAGCAAACCTG 1980  
 CAACTTTTCA AGGAGAACAA CCGTAGGAGG AAGAAGGAGA GGAAGGAGAA GAGACGGCAG 2040  
 AGGAAGGGGG AAGAGTGCGC CCGTGCCTGGC CTCACTTGCT TCCAGCATGA CACAACCAC 2100  
 TGGCAGACAG CCCCCTTCTG GAACCTGGGA TCTTTCTGTG CTTGCACGAG TTCTAACAA 2160  
 AACACCTACT GGTGTTTGCG TACAGTTAAT GAGACGCATA ATTTTCTTTT CTGTGAGTTT 2220  
 GCTACTGGCT TTTTGGAGTA TTTTGATATG AATACAGATC CTTATCAGCT CACAAATACA 2280  
 GTGCACACGG TAGAACGAGG CATTTTGAAT CAGCTACACG TACAATAAT TGGAAATAAA 2340  
 AGCTGTCAAG GATATAAGCA GTGCAACCCA AGACCTAAGA ATCTTGATGT TGGAAATAAA 2400  
 GATGGAGGAA GCTATGACCT ACACAGAGGA CAGTTATGGG ATGGATGGGA AGGTTAATCA 2460  
 GCCCCGTCTC ACTGCAGACA TCAACTGGCA AGGCCTAGAG GAGCTACACA GTGTGAATGA 2520  
 AAACATCTAT GAGTACAGAC AAAACTACAG ACTTAGTCTG GTGGACTGGA CTAATTACTT 2580  
 GAAGGATTTA GATAGAGTAT TTGCACTGCT GAAGAGTCAC TATGAGCAAA ATAAAACAAA 2640  
 TAAGACTCAA ACTGCTCAA GTGACGGGTT CTTGGTTGTC TCTGCTGAGC ACGCTGTGTC 2700  
 AATGGAGATG GCTCTGCTG ACTCAGATGA AGACCCAAGG CATAAGGTTG GGAAAACACC 2760  
 TCATTTGACC TTGCCAGCTG ACCTTCAAAC CCGTGCATTG AACCGACCAA CATTAGTCC 2820  
 AGAGAGTAAA CTTGAATGGA ATAACGACAT TCCAGAAGTT AATCATTTGA ATTCTGAACA 2880  
 CTGGAGAAAA ACCGAAAAAT GGACGGGGCA TGAAGAGACT AATCATCTGG AAACCGATT 2940  
 CAGTGGCGAT GGCATGACAG AGCTAGAGCT CGGGCCCAGC CCCAGGCTGC AGCCCATTCG 3000  
 CAGGCACCCG AAAGAAGCTT CCCAGTATGT TGGTCTGGA AAGGACATTT TTGAAGATCA 3060  
 ACTATATCTT CCTGTGCATT CCGATGGAAT TTCAGTTCAT CAGATGTTCA CCATGGCCAC 3120  
 CGCAGAACAC CGAAGTAATT CCAGCATAGC GGGGAAGATG TTGACCAAGG TGGAGAAGAA 3180  
 TCACGAAAAG GAGAAGTCAC AGCACCTAGA AGGCAGCGCC TCCTCTTCAC TCTCCTCTGA 3240  
 TTAGATGAAA CTGTTACCTT ACCCTAAACA CAGTATTTCT TTTTAACTTT TTTATTTGTA 3300  
 AACTAATAAA GGTAAATCACA GCCACCAACA TTCCAAGCTA CCCTGGGTAC CTTTGTGCAG 3360  
 TAGAAGCTAG TGAGCATGTG AGCAAGCGGT GTGCACACGG AGACTCATCG TTATAATTTA 3420  
 CTATCTGCCA AGAGTAGAAA GAAAGGCTGG GGATATTTGG GTTGGCTTGG TTTTGATTTT 3480  
 TTGCTTGTTT GTTTGTTTTG TACTAAAACA GTATTATCTT TTGAATATCG TAGGGACATA 3540

83

AGTATATACA	TGTTATCCAA	TCAAGATGGC	TAGAATGGTG	CCTTTCTGAG	TGTCTAAAAC	3600
TTGACACCCC	TGGTAAATCT	TTCAACACAC	TTCCACTGCC	TGCGTAATGA	AGTTTTGATT	3660
CATTTTTAAC	CACTGGAATT	TTTCAATGCC	GTCATTTTCA	GTTAGATGAT	TTTGCACCTT	3720
GAGATTAAAA	TGCCATGTCT	ATTTGATTAG	TCTTATTTTT	TTATTTTTAC	AGGCTTATCA	3780
GTCTCACTGT	TGGCTGTCT	TGTGACAAAG	TCAAATAAAC	CCCCAAGGAC	GACACACAGT	3840
ATGGATCACA	TATTGTTTGA	CATTAAGCTT	TTGCCAGAAA	ATGTTGCATG	TGTTTTACCT	3900
CGACTTGCTA	AAATCGATTA	GCAGAAAGGC	ATGGCTAATA	ATGTTGGTGG	TGAAAATAAA	3960
TAAATAAGTA	AACAAAATGA	AGATTGCCTG	CTCTCTCTGT	GCCTAGCCTC	AAAGCGTTCA	4020
TCATACATCA	TACCTTTAAG	ATTGCTATAT	TTTGGGTTAT	TTTCTTGACA	GGAGAAAAAG	4080
ATCTAAAGAT	CTTTTATTTT	CATCTTTTTT	GGTTTTCTTG	GCATGACTAA	GAAGCTTAAA	4140
TGTTGATAAA	ATATGACTAG	TTTTGAATTT	ACACCAAGAA	CTTCTCAATA	AAAGAAAATC	4200
ATGAATGCTC	CACAAATTTCA	ACATAACCACA	AGAGAAGTTA	ATTTCTTAAC	ATTGTGTTCT	4260
ATGATTATTT	GTAAGACCTT	CACCAAGTTC	TGATATCTTT	TAAAGACATA	GTTCAAAATT	4320
GCTTTTGAAG	ATCTGTATTC	TTGAAAATAT	CCTTGTGTGT	TATTAGGTTT	TTAAATACCA	4380
GCTAAAGGAT	TACCTCACTG	AGTCATCAGT	ACCCTCCTAT	TCAGCTCCCC	AAGATGATGT	4440
GTTTTTGCTT	ACCCTAAGAG	AGGTTTTCTT	CTTATTTTAA	GATAATTCAA	GTGCTTAGAT	4500
AAATTATGTT	TTCTTTAAGT	GTTTATGGTA	AACCTTTTTA	AAGAAAATTT	AATATGTTAT	4560
AGCTGAATCT	TTTTGGTAAC	TTTAAATCTT	TATCATAGAC	TCTGTACATA	TGTTCAAATT	4620
AGCTGCTTGC	CTGATGTGTG	TATCATCGGT	GGGATGACAG	AACAAACATA	TTTATGATCA	4680
TGAATAATGT	GCTTTGTAAA	AAGATTTCAA	GTTATTAGGA	AGCATACTCT	GTTTTTTAAT	4740
CATGTATAAT	ATTCCATGAT	ACTTTTATAG	AACAATTCTG	GCTTCAGGAA	AGTCTAGAAG	4800
CAATATTTCT	TCAAATAAAA	GGTGTTTAAA	CTTT			4834

Name: 301 Len: 4112 Check: 13B5

CAAGGCGCCT	GCGACTCGGT	CCCAGGTCCG	CGGGCGGCGC	GCGGCGGGCT	CGCGCGGGGG	60
CCCCGGCGCG	CCGGGCGGCG	CAGTACGCAC	CGCGCGGACC	CACGCCACGG	CCAGGAGCCC	120
AGAGCAGCGC	GGCCACACTG	CCCAGGGGTC	GGCCCTCGGC	CCCAGCGCTC	GGAGCGCGGC	180
GGCTGCCTGG	GCTTTAATGG	CTGCTCCGCG	GAGCAGCGCC	TAGGGCTGGA	AGGCGGCTGC	240
GGCTCAGGAA	GTCACCCGAG	CAAGCCTCCT	TCGGGGCCGG	CCGCACCCGC	CGCGGCGCGC	300
TCCATGGGGG	CGCGCTCCCC	CCGGGCGGCC	CGCTGACCCG	GGACGCGGGG	GCCCGCTCGC	360
TCGCGGCGCG	CGCGTCCCGG	CCATGAACTG	AGCCCGCGGG	CCAGCCCCGC	GCCTGCTCCG	420
CCCGCGCCTT	TCTTCTCGCG	CCTCCTCCGC	CCGCGCGCGG	CGGGCCCGGC	TCCCCGGGGG	480
CTGCGGCGCC	CCGGGCTCGG	CGGCCCCGGG	GCCCCGGGGC	GCGGGGCGGC	GGCGGCGGGG	540
GGCGCGCGGC	TCCGGGCGCG	GCGCCTGCAC	CATGAACTAC	CAGCAGCAGC	TGGCCAACTC	600
GGCTGCCATC	CGGGCCGAGA	TCCAGCGCTT	CGAGTCGGTC	CACCCCAACA	TCTACTCCAT	660
CTACGAGCTG	CTGGAGCGCG	TGGAGGAGCC	GGTGCTGCAG	AACCAGATCC	GGGAGCACGT	720
CATCGCCATC	GAAGATGCCT	TCGTGAACAG	CCAGGAATGG	ACGCTGAGTC	GATCTGTCCC	780
GGAGCTCAAA	GTGGGAATTG	TGGGTAACTT	GGCCAGCGGC	AAGTCTGCCC	TGGTGCACCG	840
GTACCTGACG	GGCACATATG	TCCAGGAGGA	GTCTCCGGAA	GGTGGCAGGT	TCAAGAAAGA	900
GATTGTCGTT	GATGACAGAG	GCTATCTGCT	GCTGATCAGA	GATGAAGGGG	GCCCCCGGGA	960
GGCGCAGTTT	GCCATGTGGG	TGGACGCTGT	TATATTTGTC	TTCAGCTTGG	AGGATGAAAT	1020
AAGTTTCCAG	ACCGTTTACC	ACTACTACAG	TGGAATGGCC	AACATATCGGA	ACACGAGCGA	1080
GATTCTCTCT	GTTCTGGTGG	GAACCCAGGA	TGCCATAAGT	TCTGCTAACC	CGAGGGTCAT	1140
CGATGACGCC	AGGGCGAGGA	AGCTCTCCAA	CGACCTGAAA	CGGTGCACGT	ACTACGAGAC	1200
GTGTGCTACA	TACGGGCTGA	ATGTGGAGAG	GGTCTTCCAG	GACGTTGCCC	AGAAGATTGT	1260
TGCCACAAGG	AAGAAGCAGC	AGCTGTCCAT	AGGACCCCTG	AAGTCGCTAC	CTAATTCTCC	1320
CAGCCATTCC	TCCGTCTGTT	CCGCGCAGGT	GTCTGCCGTG	CACATCAGCC	AGACAAGTAA	1380
TGGAGGTGGG	AGTTTAAGCG	ACTATTCCTC	CTCCGTTCCA	TCGACTCCCA	GCATCAGCCA	1440
GAAGGAACCT	CGGATCGATG	TTCTTCCCAC	TGCCAACACG	CCCACGCCCC	TTGCAAGCA	1500
GTCTAAGCCG	CGGTCCAAAC	TGTTACACCT	TCGGAAAGGG	AGCGACCCAG	ACAAAGAGAA	1560
GAAAGGCCTG	GAGAGTCGTG	CGGACAGCAT	TGGGAGCGGC	CGAGCCATCC	CAATTAACAA	1620
GGGCATGCTG	TTGAAGCGAA	GTGGCAAATC	GTTGAATAAA	GAGTGGAAAA	AGAAATATGT	1680
CACCTGTGTT	GACAATGGGC	TGCTGACCTA	TCATCCCAGT	TTACATGATT	ACATGCAGAA	1740
TGTTCAATGGT	AAGGAGATTG	ACCTTCTGAG	AACCACTGTG	AAAGTCCCAG	GGAAGAGGCC	1800
ACCCCGAGCC	ACGTCAGCCT	GCGCACCCAT	CTCCAGCCCT	AAAACCAATG	GCCTATCCAA	1860
GGACATGAGC	AGTTTACACA	TCTCACCCAA	TTCAGACACA	GGGCTGGGTG	ACTCCGTATG	1920
CTCCAGCCCC	AGTATCTCCA	GCACCAACAG	CCCCAAGCTC	GACCCGCCCC	CCTCCCCCTCA	1980
CGCCAAACAGA	AAGAAGCACC	GAAGGAAGAA	AAGCACTAGC	AACCTCAAAG	CCGACGGCCT	2040
GTCCGGCACT	GCTGAAGAAC	AAGAAGAAAA	TTTTGAGTTT	ATCATTGTGT	CCCTCACTGG	2100
CCAAACATGG	CACTTTGAAG	CCACGACGTA	TGAGGAGCGG	GACGCCTGGG	TCCAAGCCAT	2160
CGAGAGCCAG	ATCCTGGCCA	GCCTGCAGTC	GTGCGAGAGC	AGCAAGAACA	AGTCCCGGCT	2220
GACGAGCCAG	AGCGAGGCCA	TGGCCCTCGA	GTGATGCCGG	AACATGCGCG	GGAACCTCCA	2280
CTGTGTGGAC	TGCGAGACCC	AGAATCCCCA	CTGGGCCAGT	TTGAACCTGG	GAGCCCTCAT	2340
GTGCATCGAA	TGCTCAGGGA	TCCACCGGAA	TCTTGGCACC	CACCTTTCCC	GAGTCCGATC	2400

84

TCTGGACCTG GATGACTGGC CAATCGAGCT CATCAAGGTG ATGTCATCCA TCGGGAACGA 2450  
 GCTAGCCAAAC AGCGTCTGGG AAGAGAGCAG CCAGGGGCGG ACGAAACCAT CGGTAGACTC 2520  
 CACAAGGGAA GAGAAGGAAC GGTGGATCCG TGCCAAGTAC GAGCAGAAGC TCTTCCTGGC 2580  
 CCGGCTGCCC TGCACGGAGC TGTCCTCTGG CCAGCACCTG CTGCGGGCCA CCGCCGACGA 2640  
 GGACCTGCGG ACGGCCATCC TGCTGCTGGC ACACGGGCTCC CGGGACGAGG TGAACGAGAC 2700  
 CTGCGGGGAG GGAGACGGCC GCACGGGCGCT GCATCTGGCC TGCCGCAAGG SGAATGTGGT 2760  
 CCTGGGCGAG CTCTGATCT GGTACGGAGT GGACGTCACG GCCCAGAGATG CCCACGGGAA 2820  
 CACAGCTCTG GCCTACGCCC GGCAGGCCTC CAGCCAGSAG TGCATCGACG TGCTGCTGCA 2880  
 GTACGGCTGC CCGGACGAGC GCTTCGTGCT CATGGCCACC CCTAACCTGT CCAGGAGAAA 2940  
 CAATAACCGG AACACAGCA GTGGGAGGGT GCGCGGCGAG CCGCACCATC ATCTGAGGAA CAGCCGTGCC 3000  
 CGCCTGCTCG CCGCACCTGG GACGCGGCGAG CCTCGCCGCA TTCTCGCTCA GAAGTCGCAG 3060  
 CACGTGAGTC CCGTCGCATC CCTCCCTCT TCCTGGTGGC CACCTCCCTC CCGCCACCC 3120  
 ACTCTCACCC CAAACAAAT CACAAACCT GGACATCCCT CAAGGGGCGA AGAGGCGGCC 3180  
 GGGAGACTGC AGAAGTGGCT CCTTTTCATA AACTCCCTA AACCACACAC AGGAGAGAGC 3240  
 GACGGGCTC GGCCCTTTGA TGATAGCACA TGCGCGAGGA CCCTTGTCCT GGTGGCACA 3300  
 GGGATGGGGA CGCGAGGGGG AGGGGAGGCG AGGAACAAGG AGAAGGGGCA ACTTTCCTTA 3360  
 ACTGGCAGTT GAGCACATAG TACATTTCCC CTCTACCAA CGGAACACTT GGATTCATC 3420  
 TCTTCTCTGA GGAGCTCGAC GGCATAAATC AGAAGCAAGC ACAGAGTTG TCAGGTTTGA 3480  
 AGCCCCATG ATGGTGTGTG TCAAATCAGT TGTAGCTAAT CTGTCCAGGG AGAATACTGG 3540  
 CTTTATTACA CTTGTACAGC CGAGTTCTTC CCGCATTAAT GCTGTTTAA AGAACGTGAT 3600  
 TAGTCATCGC CGAGAAGAAA GCATATTAGC CGAGGAGGTA GTCACGCGGC ACGCGCCGGT 3660  
 GATTGCCACG ATGTGATTGC AATACTCTTA GAAGCACCAT ATTATCCAG ACATGTTCTT 3720  
 TCAAGCCCTT GGAGCCCTCT CTAAATTCAC TGTATCATT TAGTATCTGT TTAATTTTTT 3780  
 AGTCCAAAGA GAGGAAATCA GTCGCTGAGT ATTATTTGAC TCCGGTCTCC TTGGTGCAAA 3840  
 AACAAATGG GAAAAATAA TAAGAATAAC TCAGAAATC AAAAGGAAAC CACAAATTCA 3900  
 GCTAATAATA GCATTTGAG TATATTTCTG AAATAAGGA AATACACAAA AGGCTGTTTT 3960  
 TTTCCGACTG TAAGAGATAT TTGATGTCTT TTTGCCGAGG TGGATGTGTT AGTCTCAGGC 4020  
 CCTCCTGGAC CACGTTGCCC AAGTCACACA GCGTCTGTG TTATGTATTT AGATAAGATG 4080  
 TGTGAAAATA TATTTGAATA AAAGAAGTTC AT 4112

Name: 302 Len: 1096 Check: 238D  
 GGGGGAGCAC TAGCAGCAGC CGGAGTCGGC GGAAAGCACC CGGGCGCAGC CGGAGCCGGT 60  
 GCGCAGCTG CGATGGCCGT GCGGTGGGG AGACCGTCTA ATGAAGAGCT TCGAAACTTG 120  
 TCTTTGTCTG GCCATGTGGG ATTTGACAGC CTCCCTGACC AGCTGGTCAA CAAGTCTACT 180  
 TCTCAAGGAT TCTGTTTCAA CATCCTTTGT GTTGGTGAGA CAGGCATTGG CAAATCCACG 240  
 TTAATGGACA CTTTGTTCRA CACCAAATT GAAAGTGACC CAGCTACTCA CAATGAACCA 300  
 GGTGTTCCGT TAAAAGCCAG AAGTTATGAG CTTCAGSAAA GCAATGTACG GCTGAAGTTA 360  
 ACCATTGTTG ACACCTGTGG ATTTGGAGAC CAGATAAATA AAGATGACAG CTATAAGCCG 420  
 ATAGTAGAAT ATATTGATGC CCAGTTGAG GCCTACCTGC AAGAGGAATT GAAGATTAAA 480  
 CGTCTCTCT TCAACCACCA TGACACGAGG ATCCATGCTT GCCTCTACTT TATTGCCCTT 540  
 ACTGGACATT CACTAAAGTC CCTGGATCTG GTCACCATGA AAAAGCTGGA CAGTAAGGTG 600  
 AACATCATTC CAATAATTGC AAAAGCTGAC ACCATTGCCA AGAATGAAC GCACAAATTC 660  
 AAGAGTAAGA TCATGAGTGA ACTGGTCAGC AATGGGGTCC AGATATATCA GTTTCCTACT 720  
 GATGAAGAAA CCGTGGCAGA GATTAACGCA ACAATGAGTG TCCATCTCCC ATTTGCAGTG 780  
 GTTGGCAGCA CCGAAGAGGT GAAGATTGGC AACAAGATGG CAAAGGCCAG GCAGTACCCC 840  
 TGGGGTGTGG TGCAGGTTGA GAATGAAAT CATTTGGATT TTGTGAAACT TCGAGAGATG 900  
 CTGATCCGCG TGAACATGGA GGACTTGGCA GAGCAGACTC ACACCCGCCA CTATGAATTG 960  
 TACCACGCTG TAAGCTTGAA GAGATGGGGT TCAAGGACAC TGACCCTGAC AGCAAACCTT 1020  
 TCAGTCTTCA GGGGACATAT GAAGCAAAAA GGAATGAATT CCTGGGAGAA CTGCAGAAAA 1080  
 AAAAAAATA AAAAAA 1096

Name: 303 Len: 4373 Check: 16D0  
 GAAGCGAATG TGATCTTCC CCAGAACCGA AAGCTTTGCC TCAGACTCCT AGGCCGAGGA 60  
 GTCGTTCTCC ATCATCCCCA GAGCTCAACA ACAAGTGTCT TACCCCCAG AGAGAAAGAA 120  
 GCGGGTCAGA ATCATCAGTT GATCAGAAA CTGTGGCTCG GACTCCCCTG GGGCAGAGAA 180  
 GTCGTTCCGG ATCCTCTCAA GAACTTGATG TGAAACCCAG TGCATCCCCCT CAGGAAAGAA 240  
 GTGAGTCAGA CTCTTCTCCA GATCTTAAAG CCAAGACACG ACCCCACTT CGGCAGAGGA 300  
 GTCGGTCTGG ATCATCTCCA GAGGTTGACA GCAAATCTCG ACTATCCCCCT CGGCGCAGTA 360  
 GGTCTGGTTC CTCCCTGAA GTGAAAGATA AGCCAAGAGC AGCACCAGG GCACAGAGTG 420  
 GTTCTGATTC CTCTCCTGAA CCTAAAGCTC CAGCCCCCTG GGCCCTTCCC AGACGAAGCA 480  
 GATCAGGTTT ATCAAGCAAA GGCAGAGGCC CTCTCCTGA AGGAAGCAGC AGTACCGAGT 540  
 CCTCTCCTGA ACATCCGCCC AAATCCAGAA CTGCTCGCAG AGGTTCCAGG TCATCACCAG 600  
 AGCCCAAGAC CAAGTCTCGT ACACCACCTC GACGTCGCAG CTCTCGATCA TCTCCGGAGC 660  
 TAACAAGGAA GCGCAGACTG TCCCGTAGAA GCCGCTCTGC CTCATCTCA CCAGAACTC 720  
 GCTCTAGAAC TCCCCAAGG CACCGGAGAA GTCCCTCAGT GTCTTCCCCG GAGCCAGCCG 780

85

AAAAATCGAG GTCTTCACGC CGACGGCGCT CAGCTTCATC TCCACGCACT AAGACAACCT 840  
 CAAGGAGAGG CCGCTCTCCT TCGCCAAAGC CTCGTGGACT CCAGAGGTCC CGTTCCCGCT 900  
 CAAGGAGAGA GAAAACAAGA ACAACCCGAC GTCGAGATAG GTCTGGATCT TCTCAGTCAA 960  
 CCTCTCGGCG AAGACAGCGG AGCCGGTCAA GGTCGCGGGT TACTCGGCGG CGGAGGGGAG 1020  
 GCTCTGGTTA TCACTCAAGG TCACCTGCCC GGCAGGAAAG TTCCCGGACC TCCTCTCGAC 1080  
 GCCGAAGAGG CCGCTCTCGG ACACCCCCAA CCAGTCGGAA GCGTTCTCGC TCACGCACAT 1140  
 CACCAGCCCC GTGGAAACGC TCTAGATCTC GAGCCTCTCC AGCCACTCAC CGGCGATCCA 1200  
 GGTCCAGAAC CCCCCTGATA AGCCGACGTA GGTCCAGATC TCGAACTTCA CCAGTCAGCC 1260  
 GGAGACGGTC AAGGTCCAGG ACTTCAGTGA CTCGACGAAG ATCCCGGTCA AGAGCATCCC 1320  
 CAGTGAGCAG AAGGCGATCC AGATCCAGAA CGCCACCAGT AACC CGCGCT CGTTCAAGGT 1380  
 CTAGAACGCC AACAACACGC CGCCGCTCCC GTTCTAGAAC TCCACCAGTG ACTCGCAGAA 1440  
 GGTCCAGATC CAGGACTCCA CCAGTAACCA GGAGGCGATC TCGAAGCAGA ACTTCGCCTA 1500  
 TCACTCGCAG AAGATCAAGA TCCAGAACAT CTCGGGTGAC CCGAAGGAGA TCTCGATCTC 1560  
 GCACATCTCC AGTAACTCGA AGAAGGTCCC GCTCTCGAAC CTCACCAGTG ACACGCCGCC 1620  
 GCTCTAGGTC CCGGACACCT CCAGCTATTG GCGCGCGCTC TAGATCTCGA ACGCCACTGT 1680  
 TACCACGCAA ACGTTCTCGA AGTCGCTCAC CACTTGCTAT CCGCCGCGC TCCAGATCCC 1740  
 GTACTCCAGG AACAGCTCGG GGTAACGGT CCTTAACAAG ATCTCCTCCA GCCATCCGCA 1800  
 GCGGTTCTGC ATCTGGAAGT AGTCTGATC GTTCACGATC TGCTACTCCT CCAGCAACAA 1860  
 GAAATCATTC TGGTTCACGG ACACCTCCAG TAGCACTCAA CAGTTCCAGA ATGAGCTGCT 1920  
 TCAGTCGTCC TAGCATGTCC CCAACACCTC TTGATCGCTG CAGATCACCT GGAATGCTTG 1980  
 AACCCTTGG CAGCTCTAGA ACACCCATGT CTGTCTGCA GCAAGCCGGC GGCTCCATGA 2040  
 TGGATGCTCC AGGTCCCCGA ATACCTGACC ACCAGAGAAC ATCTGTGCCA GAAATCATG 2100  
 CTCAGTCCAG GATTGCACTT GCCCTGACAG CTATCAGTCT TGGCACCCTC CGGCCTCCTC 2160  
 CGTCCATGTC TGCTGCTGGC CTGTGCTGCA GAATGTCCCA GGTTCCAGCC CCGGTGCTC 2220  
 TCATGAGTCT CAGAACCGCA CCAGCAGCCA ACCTGCCCAG CAGGATTCCCT GCAGCCTCTG 2280  
 CGGCAGCCAT GAACCTAGCC AGCGCCAGGA CACCTGCCAT TCCAACAGCA GTGAACCTGG 2340  
 CTGACTCTCG AACGCCAGCT GCAGCAGCGG CCATGAACTT GGCCAGCCCC AGAACAGCGG 2400  
 TGGCACCTTC GGCTGTGAAC CTGGCTGACC CTCGCACTCC CACAGCCCCA GCTGTGAACC 2460  
 TAGCAGGGGC CAGAACCCCA GCTGCCTTGG CAGCTCTGAG TCTCACAGGC TCTGGCACAC 2520  
 CACCAACTGC TGCAAACTAT CCTCCAGCT CCAGAACACC ACAGGTCCCA GCCTCTGCAA 2580  
 ACCGTGGTGG TCCCTCGGCT GCACATGCCA CAGCTCCTGT GAATATTGCC GGCTCCAGAA 2640  
 CCGCCGCAGC CTGGGCCCCC GCGAGCCTCA CCAGTGCTAG GATGGCTCCA GCATTGTCTG 2700  
 GTGCAACCT CACCAGCCCC AGGGTGCCCC TTTCTGCCTA CGAGCGTGTG AGTGGCAGAA 2760  
 CCTCACCACC GCTCCTTGAC CGAGCTAGGT CCAGAACACC ACCGTCTGCC CCAAGCCAAT 2820  
 CTAGGATGAC CTCTGAACGG GCTCCCTCCC CTTCCTTAG AATGGGCCAG GCTCCTTCAC 2880  
 AGTCTCTTCT CCTCCAGCA CAGGATCAGC CGGCTCTAG TGTGCTTCT GCTTTTTCAG 2940  
 ACCAATCCCG TTGTTTGATT GCCCAGACCA CCCCTGTAGC AGGGTCTCAG TCCCTTTCT 3000  
 CTGGGGCAGT GGCAACGACC ACGTCTCTG CTGGTGATCA CAATGGCATG CTCTCTGTCC 3060  
 CTGCCCTGG GGTGCCCCAC TCTGATGTG GGGAGCCACC TGCCCTACT GGGGCCCAGC 3120  
 AGCCTTCTGC ATTAGCCGCC CTGCAGCCAG CAAAGGAGCG GCGGAGTTCC TCCTCGTCTG 3180  
 CGTCGTCTCT TAGCTCCTCC TCCTCTTCAT CATCGTCGTC GTCGTCTCTC TCCTCCTCTG 3240  
 GCTCCAGTTC TAGTGACTCA GAGGGCTCTA GCCTTCTGT GCAACCTGAG GTGGCACTGA 3300  
 AGAGGGTCCC CAGCCCCACC CCAGCCCCAA AGGAGGCTGT TCGAGAGGGA CGTCTCCGG 3360  
 AGCCAAACCC AGCCAAACGG AAGAGGGCT CTAGCAGTTC CAGTTCCAGC TCCTCCTCTT 3420  
 CATCTTCTCT CTCCTCCTCC TCCTCCTCTT CTTCCTCTCT CTCTTCTCTT TCTTCTCTT 3480  
 CCTCCTCATC TTCCTCCTCC TCGTCTCTT CCTCCCCTC CCCTGCTAAG CCTGGCCCTC 3540  
 AGGCCCTTGG CAAACCTGCA AGCCCCAAGA AGCCACCCCC TGGCGAGCGG AGGTCCCAGCA 3600  
 GCCCCCGGAA GCCAATAGAC TCCCTCAGGG ACTCTCGGTC CCTCAGCTAC TCGCCTGTGG 3660  
 AGCGTCGCGG TCCCTCGCCC CAGCCCTCAC CACGGGACCA GCAGAGCAGC AGCACTGAGC 3720  
 GGGGTTCCCG GAGAGGCCAG CGTGGGGACA GCGCTCCTCC GTCTCCATAA ATTGTCTTTG 3780  
 AGACACCTAG CCCTCGGCCC ATGAGACACC GCTCCTCCAG CCACAAGGAG TGTCCCTTCT TCCCCAGCAG 3840  
 GGGGATTCCA CCACACCCAA TGCTCTGGAG CTGCTCTCCT TTGAACCTTG GCAGCCCTTG GATGGAGGGC 3900  
 AGCCGTGGGA GGGCTCTTGT CTGCTCTCCT TTTTCTTTT TTCCTGTGAA ATGTTAATCT CCGTGAGTTC 3960  
 TCCCTTTCCC TCCCTTTT TTTTCTTTT GGTGGGAGGG AATGCAGATG GGAGTTGGGG 4020  
 TTCCTGGTTC ATGTGTTCTG GGGGTTTGG CCGTGAAGTCA GGGCCAGGGA GGCATGGCCC 4080  
 GAGGGGAGGA TACAGTTCAG GATACCCAG TGTGATGGTG GTTGGGACTG GAGGTTGTAT 4140  
 CACTTGATC CAGAAGTTC CAGGGGTGAT TGGATTTAGT TGGTCCCTAC TGTCCCCCAT 4200  
 AAGGTGTTCT TGGGAAGGAAG GGGCAGGAGT TGGAAATAGT TGGTCCCTAC TGTCCCCCAT 4260  
 GAGGTTGTGA ACCCCTCCCC CCAACTTTT ATGTTTCTTA AAGGCATTTT GGTTTTTTAA 4320  
 AATCTGTACA GCAAGAGCAA CTTTTCTGT CAATAAAAA TGAGAAATGC AGG 4373

Name: 304 Len: 9027 Check: 18E4

GCGGCCAGG CGGGGTGCGA GTGGCGCAGT CGGAGCCCGT TGGGCCCCCT GAGGAAGCGA 60  
 GGAGGCGTCT GCGTCCGGCT AGGCGGGCGG ACCGGCGAGG CGAGGCGGCG GCGCCAGGCC 120

86

CGAGGGACTC	GGGAGCTCGA	GCAGCGGCGG	CGGCAAGACC	TCTCCCCCTC	GGAGGCGGCG	180
GGCGGAGGCG	GCGGGAGCGG	TGGTGCCCCC	CCCGGGCAGG	GGGCCATGTA	CAACGGGATC	240
GGGCTGCCGA	CGCCCCGGGG	CAGCGGCACC	AACGGCTACG	TCCAGCGCAA	CCTGTCCCTG	300
GTGCGGGGCC	GCCGGGGTGA	GCGGCCTGAC	TACAAGGGAG	AGGAGGAACT	GCGGCGCCTG	360
GAGGCTGCCC	TGGTGAAGCG	GCCTAATCCT	GACATCCTGG	ACCACGAGCG	CAAGCGGCGC	420
GTCGAGCTGC	GATGCCTCGA	GCTGGAGGAG	ATGATGGAAG	AGCAGGGGTA	CGAGGAACAG	480
CAAAATTCAGG	AAAAAGTGGC	GACCTTTTGA	CTCATGTTGC	TGGAGAAGGA	TGTGAACCCT	540
GGGGGCAAGG	AGGAGACCCC	AGGGCAGAGG	CCAGCGGTCA	CGGAGACTCA	CCAGTTGGCA	600
GAATTAATG	AGAAGAAGAA	TGAAAGACTC	CGTGCTGCCT	TTGGCATCAG	TGATTCTTAC	660
GATGATGGCA	GCTCTTTTGA	TCCTCAGCGT	CGTGCCCGAG	AAGCTAAACA	ACCAGCTCCT	720
GAGCCTCCCA	AACCTTACAG	CCTTGTTCGG	GAGTCTAGCA	GTTCTCGCTC	ACCAACCCCA	780
AAGCAGAAGA	AGAAAGAAAA	GAAGAAAGAT	AGAGGACGCA	GGTCAGAGAG	CAGCTCTCCT	840
CGACGGGAGA	GAAAGAAAAG	CTCAAAGAAG	AAGAAGCACA	GGTCAGAATC	TGAGTCCAAG	900
AAACGTAAGC	ATAGGTCTCC	CACTCCAAAG	AGCAAACGTA	AATCTAAGGA	CAAAAAGCGA	960
AAGCGGTCTC	GAAGTACAAC	ACCAGCCCCC	AAGAGCCGCG	GGGCCCACCG	TTCAACTTCT	1020
GCTGACTCTG	CTTCCTCCTC	CGATACTTCC	CGCAGTCGGT	CTCGAAGTGC	TGCAGCTAAA	1080
ACTCATACAA	CTGCCTTGCC	TGGGCGAAGT	CCTTCCCCCTG	CTTCAGGGCG	ACGCGGGGAG	1140
GGAGATGCGC	CTTTCAGTGA	ACCAGGTAAT	ACCAGCACAC	AACGGCCCTAG	TAGCCCGGAG	1200
ACTGCTACGA	AACAGCCTAG	CAGCCCTTAT	GAAGACAAAG	ATAAAGACAA	GAAGGAGAAA	1260
TCTGCAACTC	GACCTAGCCC	CTCTCCGGAA	AGGAGCAGCA	CAGGCCCAGA	ACCACCTGCT	1320
CCCACTCCGC	TCCTTGCTGA	GCGACATGGC	GGCTCCCCAC	AACCCCTTGC	AACCACCCCC	1380
TTAAGCCAGG	AGCCAGTGAA	CCCCCATCT	GAGGCCTCTC	CAACTCGGGA	CCGTTTACCA	1440
CCTAAGTCTC	CCGAGAAACT	TCCCCAGTCT	TCTTCTCAG	AGAGCAGCCC	ACCATCCCCCT	1500
CAACCTACCA	AAGTTTCTCG	GCATGCCAGC	TCTTCCCCAG	AAAGTCCTAA	ACCTGCTCCA	1560
GCTCCAGGGT	CCCACCGAGA	GATTTCTTCT	TCTCCACAT	CTAAGAATCG	CTCACATGGC	1620
CGAGCAAAAC	GGGATAAATC	ACATTCTCAT	ACCCCTTCCC	GTAGGATGGG	GAGGTCCCGT	1680
AGCCCTGCCA	CCGCTAAGAG	AGGGCGATCT	CGGTCTCGAA	CCCCTACCAA	GAGAGGTCAT	1740
TCTCGATCCC	GATCTCCCCA	GTGGCGTAGG	TCCAGGTCTG	CACAGAGGTG	GGGAAGATCT	1800
AGAAGCCCCC	AGCGACGTGG	CCGCTCTAGG	TCTCCTCAGC	GACCAGGCTG	GTCTAGGAGC	1860
AGAAATACCC	AGAGAAGAGG	CAGGTCTAGG	TCAGCAAGGC	GAGGGAGGTC	CCACTCTAGA	1920
TCCCCAGCCA	CTAGGGGTAG	ATCTCGTCT	AGAACACCAG	CCCGCCGGGG	CAGGTCCCGC	1980
TCTAGAACAC	CTGCCAGGCG	GAGATCACGA	TCCAGAATC	CCACCAGGCG	TAGGTCTCGG	2040
TCTAGAACAC	CAGCCCGGAG	GGGCAGGTCT	CGGTCTAGAA	CACCTGCTAG	GCGCAGATCT	2100
AGGACCCGAT	CACCACTACG	ACGCAGGTCT	CGTAGTAGAT	CACCAGCCAG	GAGAAGTGGC	2160
AGGTACGCT	CTAGAACCCC	AGCTAGACGT	GGCCGCTCAC	GCTCCAGAAC	CCCAGCCAGA	2220
CGTGGCCGCT	CACGCTCTAG	AACCCAGCT	AGACGCAGTG	GTGCTCACG	CTCCAGAACA	2280
CCAGCCAGGA	GAGGGAGGTC	TCGGTCTAGG	ACACCAAGAC	GAGGAAGATC	CCGCACTAGA	2340
AGCTTAGTTA	GACGTGGAAG	ATCTCACTCT	AGAACACCTC	AAAGAAGAGG	CAGATCTGGC	2400
TCATCTTCAG	AGCGGAAAAA	CAAAATCCAGA	ACATCTCAAA	GAAGAAGCAG	GTCCAATTCA	2460
AGCCCAGAAA	TGAAGAAATC	TGCGATTTCT	TCAAGGCGGA	GCAGGTCTCT	CTCTTACCCA	2520
CGGTCCAAAG	CAAAATCTCG	CTTGTCTTTG	AGGCGCAGCC	TTTCAGGGTC	TTCCCCATGC	2580
CCTAAGCAAA	AGTCACAGAC	ACCACCCAGG	CGCAGTCGCT	CTGGATCCTC	CCAACTTAAA	2640
GCTAAATCTA	GAACGCCACC	CAGACGCAGT	CGCTCCAGTT	CTTCTCCGCC	ACCTAAACAG	2700
AAATCTAAGA	CACCATCAAG	ACAAAGTCAT	TCCAGTTTCT	CTCCTCATCC	TAAAGTGAAA	2760
TCTGGAAACAC	CACCGAGGCA	AGGGTCCATA	ACAAGTCCCC	AGGCCAATGA	GCAATCTGTA	2820
ACGCCACAGA	GACGGAGCTG	TTTTGAATCA	TCACCTGACC	CTGAGTTGAA	ATCTAGGACC	2880
CCTTCTAGAC	ATAGCTGCTC	AGGGTCCCTCT	CCTCCTAGAG	TGAAATCTAG	CACACCTCCC	2940
AGACAGAGCC	CATCTAGGTC	ATCATCTCCA	CAACCCAAAG	TGAAGGCAAT	AATATCACCA	3000
AGACAAAGAA	GCCATTCTGG	CTCCTCTTCT	CCAAGTCCTA	GTAGGGTGAC	GTGAGAACA	3060
ACTCCACGGC	GAAGCAGATC	AGTATCTCCC	TGCTCCAATG	TGGAATCCAG	ATTGTTGGCA	3120
AGATACAGTC	ATTCTGGGTC	CTCCTCACCA	GATACCAAAG	TGAAACCTGA	AACACCGCCA	3180
AGACAAAGTC	ACTCAGGGTC	TATTTACCA	TACCCCAAAG	TAAAGGCCCA	AACTCCACCG	3240
GGGCCAAGTC	TTTCTGGATC	AAAGTCACCA	TGTCCCCAAG	AGAAGTCTAA	AGACTCACTA	3300
GTTCAAAGTT	GCCCTGGATC	CCTCTCTCTC	TGTGCAGGAG	TAAATCTAG	CACACCACCA	3360
GGCGAGAGCT	ATTTTGGTGT	CTCATCTCTG	CAACTGAAAG	GACPATCTCA	AACTTCACCA	3420
GACCACAGAT	CTGATACTTC	AAGTCCAGAA	GTGAGACAGA	GTGATTGAGA	ATCACCATCT	3480
CTGCAGAGCA	AATCTCAAAC	ATCACCTAAG	GGAGGTGCGT	CCAGGTCTTC	ATCTCCAGTC	3540
ACTGAGCTGG	CATCCAGATC	TCCAATAAGA	CAAGATAGAG	GTGAGTTCTC	AGCGAGTCCT	3600
ATGTTGAAAT	CTGGAATGTC	TCCTGAGCAG	AGCAGGTTCC	AGTCTGACTC	TTCTTTCATAT	3660
CCTACAGTGG	ACTCGAATTC	TCTCTTGGGG	CAGAGTAGAT	TGGAGACTGC	TGAATCAAAA	3720
GAGAAAATGG	CCTTACCCCC	TCAGGAGGAT	GCTACTGCAT	CACCTCCTAG	ACAGAAAGAC	3780
AAATTTAGTC	CCTTTCCAGT	ACAGGATAGG	CCTGAGTCTT	CACTGGTATT	CAAAGACACA	3840
CTTAGAACCC	CGCCAAGAGA	AAGAAGTGGT	GCTGGGTCTT	CTCCAGAAAC	AAAAGAGCAA	3900

87

AATAGTGCAT	TGCCTACGTC	AAGCCAAGAT	GAAGAGTTAA	TGGAGGTGGT	AGAGAAGTCT	3960
GAAGAACCCG	CAGGCCAAAT	CCTGTCTCAT	TTGTCTTCAG	AACTTAAAGA	AATGTCCACA	4020
AGTAACCTTG	AATCACTCC	TGAAGTAGAA	GAAAGGCCCTG	CTGTGTCTTT	GACTCTTGAT	4080
CAGAGCCAGT	CACAGGCTTC	TTTGAAGCA	GTAGAAGTCC	CTTCAATGGC	CTCATCTTGG	4140
GGTGGGCCAC	ATTTTTCTCC	AGAACATAAA	GAACTGTCTA	ACTCCCCACT	CAGGGAGAAC	4200
AGCTTTGGAT	CACCTTTAGA	ATTTAGAAAC	TCAGGCCAC	TTGGTACAGA	AATGAATACT	4260
GGATTTTCTT	CTGAGGTTAA	AGAAGATTTG	AATGGACCGT	TTCTTAATCA	GCTGGAAACA	4320
GATCCATCTC	TAGACATGAA	AGAACAATCG	ACAAGATCCT	CTGGACACAG	CAGTTCTGAG	4380
TTATCCCCAG	ATGCAGTGGA	AAAGGCAGGG	ATGTCTTCAA	ATCAGAGCAT	CTCTTCACTT	4440
GTGCTTGATG	CTGTACCCAG	AACACCCTCG	AGAGAAAGAA	GTAAGTTCTGC	ATCTTCTCCT	4500
GAAATGAAAG	ATGGTTTACC	CAGAACTCCA	TCAAGGAGAA	GCAGGTCTGG	GTCTTCTCCA	4560
GGAATTAGAG	ATGGGTCTGG	GACTCCCTCG	AGGCACAGCC	TGTCTGGGTC	CTCTCCTGGA	4620
ATGAAAGATA	TACCTAGAAC	GCCATTTAGA	GGGAGAAGCG	AATGTGATTG	TTCCCCAGAA	4680
CCGAAAGCTT	TGCCTCAGAC	TCCTAGGCCG	AGGAGTCGTT	CTCCATCATC	CCCAGAGCTC	4740
AACAACAAGT	GTCTTACCCC	CCAGAGAGAA	AGAAGCGGGT	CAGAATCATC	AGTTGATCAG	4800
AAAAGTGTGG	CTCGGACTCC	CCTGGGGCAG	AGAAGTCGTT	CGGGATCCTC	TCAAGAACTT	4860
GATGTGAAAC	CCAGTGCATC	CCCTCAGGAA	AGAAGTGAGT	CAGACTCTTC	TCCAGATTCT	4920
AAAGCCAAGA	CACGAACCCC	ACTTCGGCAG	AGGAGTCGGT	CTGGATCATC	TCCAGAGGTT	4980
GACAGCAAT	CTCGACTATC	CCCTCGGCCG	AGTAGGTCTG	GTTCTCTCCC	TGAAGTGAAA	5040
GATAAGCCAA	GAGCAGCACC	CAGGGCACAG	AGTGGTCTCTG	ATTCTCTCTC	TGAACCTAAA	5100
GCTCCAGCCC	CTCGGGCCCT	TCCCAGACGA	AGCAGATCAG	GTTTCATCAAG	CAAAGGCAGA	5160
GGCCCTTCTC	CTGAAGGAAG	CAGCAGTACC	GAGTCCTCTC	CTGAACATCC	GCCCCAATCC	5220
AGAACTGCTC	GCAGAGGTTT	CAGGTCTATCA	CCAGAGCCCCA	AGACCAAGTC	TCGTACACCA	5280
CCTCGACGTC	GCAGCTCTCG	ATCATCTCCG	GAGCTAACAA	GGAAGGCCAG	ACTGTCCCGT	5340
AGAAGCCGCT	CTGCCTCATC	CTCACCAGAA	ACTCGCTCTA	GAAGTCCCCC	AAGGCACCCG	5400
AGAAGTCCCT	CAGTGTCTTC	CCCGGAGCCA	GCCGAAAAAT	CGAGGTCTTC	ACGCCGACGG	5460
CGCTCAGCTT	CATCTCCACG	CACTAAGACA	ACCTCAAGGA	GAGGCCGCTC	TCCTTCGCCA	5520
AAGCCTCGTG	GACTCCAGAG	GTCCCGTTCC	CGCTCAAGGA	GAGAGAAAAC	AAGAACAACC	5580
CGACGTGAG	ATAGGTCTGG	ATCTTCTCAG	TCAACCTCTC	GGCGAAGACA	GCGGAGCCGG	5640
TCAAGGTGCG	GGGTACTCG	GCGGCGGAGG	GGAGGCTCTG	GTTATCACTC	AAGGTACCTT	5700
GCCCGGCAGG	AAAGTTCCCG	GACCTCTCT	CGACGCCGAA	GAGGCCGCTC	TCGGACACCC	5760
CCAAACAGTC	GGAAGCGTTC	TCGCTCACGC	ACATCACAG	CCCCGTGGAA	ACGCTCTAGA	5820
TCTCGAGCCT	CTCCAGCCAC	TCACCGGCCA	TCCAGGTCCA	GAACCCCCCT	GATAAGCCGA	5880
CGTAGGTCCA	GATCTCGAAC	TTCACCAAGT	AGCCGGAGAC	GGTCAAGGTC	CAGGACTTCA	5940
GTGACTCGAC	GAAGATCCCG	GTCAAGAGCA	TCCCCAGTGA	GCAGAAGGCG	ATCCAGATCC	6000
AGAACGCCAC	CAGTAACCCG	CCGTCTGTCA	AGGCTAGAAA	CGCCAACAAC	ACGCCGCCGC	6060
TCCCCTTCTA	GAAGTCCACC	AGTGACTCGC	AGAAGGTCCA	GATCCAGGAC	TCCACCAAGT	6120
ACCAGGAGGC	GATCTCGAAG	CAGAACTTCG	CCTATCACTC	GCAGAAGATC	AAGATCCAGA	6180
ACATCTCCGG	TCACCCGAAG	GAGATCTCGA	TCTCGCACAT	CTCCAGTAAC	TGGAAGAAGG	6240
TCCCCTCTCT	GAACCTCACC	AGTGACACGC	CGCCGCTCTA	GGTCCCGGAC	ACCTCCAGCT	6300
ATTGCGCGCC	GCTCTAGATC	TCGAACGCCA	CTGTTACCAC	GCAAACGTTT	TCGAAGTCGC	6360
TCACCACTTG	CTATCCGCCG	CCGCTCCAGA	TCCCGTACTC	CACGAACAGC	TCGGGGTAAA	6420
CGGTCTTTAA	CAAGATCTCC	TCCAGCCATC	CGCAGGCGTT	CTGCATCTGG	AAGTAGTTCT	6480
GATCGTTTAC	GATCTGCTAC	TCTCCAGCA	ACAAGAAATC	ATTCTGGTTC	ACGGACACCT	6540
CCAGTAGCAC	TCAACAGTTC	CAGAATGAGC	TGCTTCAGTC	GTCCTAGCAT	GTCCCCAACA	6600
CCTCTTGATC	GCTGCAGATC	ACCTGGAATG	CTTGAACCCC	TTGGCAGCTC	TAGAACACCC	6660
ATGTCTGTCC	TGCAGCAAGC	CGCGGGCTCC	ATGATGGATG	GTCCAGGTCC	CCGAATACCT	6720
GACCACCCAGA	GAACATCTGT	GCCAGAAAAT	CATGCTCAGT	CCAGGATTGC	ACTTGCCCTG	6780
ACAGCTATCA	GTCTTGCCAC	CGCTCGGCCT	CCTCCGTCCA	TGTCTGCTGC	TGGCCTTGCT	6840
GCAAGAATGT	CCCAGGTTCC	AGCCCCGGTG	CCTCTCATGA	GTCTCAGAAC	CGCACCAGCA	6900
GCCAACCTTG	CCAGCAGGAT	TCCTGCAGCC	TCTGCGGCAG	CCATGAACCT	AGCCAGCGCC	6960
AGGACACCTG	CCATTCCAAC	AGCAGTGAAC	CTGGCTGACT	CTCGAACGCC	AGCTGCAGCA	7020
GCGGCCATGA	ACTTGGCCAG	CCCCAGAACA	GCGGTGGCAC	CTTCGGCTGT	GAACCTGGCT	7080
GACCTTCGCA	CTCCACAGC	CCCCAGCTGT	AACCTAGCAG	GGGCCAGAAC	CCCAGCTGCC	7140
TTGGCAGCTC	TGAGTCTCAC	AGGCTCTGGC	ACACCACCAA	CTGCTGCAAA	CTATCCCTCC	7200
AGCTCCAGAA	CACCACAGGC	TCCAGCCTCT	GCAAACCTGG	TGGGTCTCG	GTCTGCACAT	7260
GCCACAGCTC	CTGTGAATAT	TGCCGGCTCC	AGAACCGCCG	CAGCCTTGGC	CCCCGCGAGC	7320
CTCACCAGTG	CTAGGATGGC	TCCAGCATTG	TCTGGTGCAA	ACCTCACCAG	CCCCAGGGTG	7380
CCCTTTTCTG	CCTACGAGCG	TGTCAGTGGC	AGAACCTCAC	CACCGCTCCT	TGACCGAGCT	7440
AGGTCCAGAA	CACCACCGTC	TGCCCCAAGC	CAATCTAGGA	TGACCTCTGA	ACGGGCTCCC	7500
TCCCCTTCTT	CTAGAATGGG	CCAGGCTCCT	TCACAGTCTC	TTCTCCCTCC	AGCACAGGAT	7560
CAGCCGAGGT	CTCCTTGGCC	TTCTGCTTTT	TCAGACCAAT	CCCGTTGTTT	GATTGCCGAG	7620
ACCACCCCTG	TAGCAGGGTC	TCAGTCCCTT	TCTCTGGGG	CAGTGGCAAC	GACCACGTCC	7680



88

TCTGCTGGTG ATCACAATGG CATGCTCTCT GTCCCTGCCC CTGGGGTGCC CCACTCTGAT 7740  
 GTGGGGGAGC CACCTGCCTC TACTGGGGCC CAGCAGCCTT CTGCATTAGC CGCCCTGCAG 7800  
 CCAGCAAAGG AGCGGCGGAG TTCCTCCTCG TCGTCGTCGT CCTCTAGCTC CTCTCCTCT 7860  
 TCAATCATCGT CGTCGTCGTC CTCCTCCTCC TCTGGCTCCA GTTCTAGTGA CTCAGAGGGC 7920  
 TCTAGCCTTC CTGTGCAACC TGAGGTGGCA CTGAAGAGGG TCCCCAGCCC CACCCCAGCC 7980  
 CCAAAGGAGG CTGTTCCGAGA GGGACGTCTT CCGGAGCCAA CCCCAGCCAA ACSSAAGAGG 8040  
 CGCTCTAGCA GTTCCAGTTC CAGCTCCTCC TCTTCATCTT CCTCCTCCTC CTCCTCCTCC 8100  
 TCTTCTTCTT CCTCCTCTTC CTCTTCTTCT TCTTCTCTCT CATCTTCTCT CTCCTCGTCG 8160  
 TCTTCTTCCC CTTCCTCTTC TAAGCCTGGC CCTCAGGCTT TGCCCAAACC TGCAAGCCCC 8220  
 AAGAAGCCAC CCCCTGGCGA GCGGAGGTCC CGCAGCCCCC GGAAGCCAA AGACTCCCTC 8280  
 AGGGACTCTC GGTCCCTCAG CTACTCGCCT GTGGAGCGTC GCGGTCCCTC GCCCCAGCCC 8340  
 TCAACACGGG ACCAGCAGAG CAGCAGCAGT GAGCGGGGT CCCGGAGAGG CCAGCGTGGG 8400  
 GACAGCCGCT CCCCAGCCA CAAGCGCAGG AGGGAGACAC CTAGCCCTCG GCCCATGAGA 8460  
 CACCGCTCCT CCAGGTCTCC ATAAATGTG TTTGGGGGAT TCCACCACAC CCAATGCTCT 8520  
 GGAGCCACAA GGAGTGTCCC TCTTCCCCA GCAGAGCCGT GGGAGGGTCC TTGTCTGCTC 8580  
 TCCTTTGAAC CTTGGCAGCC CTGGAATGGA GGGCTCCCTT TCCCTCCCTT TTTTTTTTTC 8640  
 TTTGTTCCGT TGAATGTIA ATCTCCGTGA GTTCTCTCTG GTTCATGTGT TCTGGGGGGT 8700  
 TTGGGGTGGG AGGGAATGCA GATGGGAGTT GGGGGAGGGG AGGATACAGT TCAGGATACC 8760  
 CCAGCCTGGA GTCAGGGCCA GGGAGGCATG GCCCCACTTG TATCCAGAAG TTCCAGGGG 8820  
 TGATTGTGAT GGTGGTTGGG ACTGGAGGTT GTATAAGGTG TTCTTGGGAG GAAGGGGCAG 8880  
 GAGTTGGAAT TAGTTGGTCC CTACTGTCCC CCATGAGGTT GTGAACCCCT CCCCCCACT 8940  
 TTTTATGTTT CTTAAGGCA TTTTGGTTTT TTAATCTG TACAGCAAGA GCAACTTTTT 9000  
 CTGTCAAATA AAAATGAGAA ATGCAGG 9027

Name: 305

Len: 2380

Check:

3AC

TCTCCGCGTC CAGTGTCTGT TAGAGGTGCT CGCGCCGCTC TGCTGCTGCT GCTGCCGCCC 60  
 CGGCTCTTAG CCCGACCCCTC GTCCTCTCTC CGCCGGTCCC TCAGCGCGGC CTCCTGCGCC 120  
 CCGATCTCCT TGCCCGCCGC CGCCTCCCGG AGCAGCATGG ACGGCGCGGG GGCTGAGGAG 130  
 GTGCTGGCAC CTCTGAGGCT AGCAGTGGC CAGCAGGGAG ATCTTGTGCG AAAACTCAAA 240  
 GAAGATAAAG CACCCCAAGT AGACGTAGAC AAAGCAGTGG CTGAGCTCAA AGCCCGCAAG 300  
 AGGGTTCTGG AAGCAAAGGA GCTGGCGTTA CAGCCCAAAG ATGATATTGT AGACCGAGCA 360  
 AAAATGGAAG ATACCCTGAA GAGGAGGTTT TTCTATGATC AAGCTTTTGC TATTTATGGA 420  
 GGTGTTAGTG GTCTGTATGA CTTTGGGCCA GTTGGCTGTG CTTTGAAGAA CAATATTATT 480  
 CAGACCTGGA GGCAGCACTT TATCCAAGAG GAACAGATCC TGGAGATCGA TTGCACCATG 540  
 CTCACCCCTG AGCCAGTTTT AAAGACCTCT GGCCATGTAG ACAAAATTGC TGACTTCATG 600  
 GTGAAAGACG TAAAAAATGG AGAATGTTTT CGTGTGACC ATCTATTAAA AGCTCATTTA 660  
 CAGAAATTGA TGTCTGATAA GAAGTGTCTT GTCGAAAAGA AATCAGAAAT GGAAGTGTT 720  
 TTGGCCGAGC TTGATAACTA TGGACAGCAA GAACTTGGCG ATCTTTTGT GAATATAAT 780  
 GTAAAACTCT CCATTACTGG AAATGATCTA TCCCCTCCAG TGCTTTTAA CTTAATGTTT 840  
 AAGACTTTCA TTGGGCTTGG AGGAAACATG CCTGGGTACT TGAGACCAGA AACTGCACAG 900  
 GGGATTTTCT TGAATTTCAA ACGACTTTTG GAGTTCAACC AAGGAAAGTT GCCTTTTGCT 960  
 GCTGCCCAGA TTGGAAPTTC TTTTAGAAAT GAGATCTCCC CTCGATCTGG ACTGATCAGA 1020  
 GTCAGAGAAT TCACAATGGC AGAAATTGAG CACTTTGTAG ATCCAGTGA GAAAGACCAC 1080  
 CCCAAGTTCC AGAATGTGGC AGACCTTCAC CTTTATTGTG ATTCAGCAA AGCCCGAGTC 1140  
 AGCGGACAGT CCGCTCGGAA AATGCGCCTG GGAGATGCTG TTGAACAGGG TGTGATTAA 1200  
 AACACAGTAT TAGGCTATTT CATTGGCCGC ATCTACCTCT ACCTCACGAA GGTGGAATA 1260  
 TCTCCAGATA AACTCCGCTT CCGGCAGCAC ATGGAGAATG AGATGGCCCA TTATGCCTGT 1320  
 GACTGTTGGG ATGCAGAATC CAAAACATCC TACGGTTGGA TTGAGATTGT TGGATGTGCT 1380  
 GATCGTTCCT GTTATGACCT CTCCTGTCTAT GCACGAGCCA CCAAAGTCCC ACTTGTAGCT 1440  
 GAGAAACCTC TGAAAGAACC CAAAACAGTC AATGTTGTTT AGTTTGAACC CAGTAAGGGA 1500  
 GCAATTGGTA AGGCATATAA GAAGGATGCA AAAGTGGTGA TGGAGTATCT TGCCATTGT 1560  
 GATGAGTGCT ACATTACAGA AATGGAGATG CTGCTGAATG AGAAAGGGGA ATTCACAATT 1620  
 GAAACTGAAG GGAAACATT TCAGTTAACA AAAGACATGA TCAATGTGAA GAGATTCCAG 1680  
 AAAACACTAT ATGTGGAAGA AGTTGTTCCG AATGTAATTG AACCTTCCTT CGGCCTGGGT 1740  
 AGGATCATGT ATACGGTATT TGAACATACA TTCCATGTAC GAGAAGGAGA TGAACAGAGA 1800  
 ACATTCTTCA GTTTCCCTGC TGTAGTTGCT CCATTCAAAT GTTCCGTCCT CCACTGAGC 1860  
 CAAAACCAGG AGTTCATGCC ATTTGTCAAG GAATTATCGG AAGCCCTGAC CAGGCATGGA 1920  
 GTATCTCACA AAGTAGACGA TTCCTCTGGG TCAATCCGAA GGCGCTATGC CAGGACTGAT 1980  
 GAGATTGGCG TGGCTTTTGG TGTACCAATT GACTTTGACA CAGTGAACAA GACCCCCAC 2040  
 ACTGCAACTC TGAGGGACCG TGACTCAATG CGGCAGATAA GAGCAGAGAT CTCTGAGCTG 2100  
 CCCAGCATAG TCCAAGACCT AGCCAATGGC AACATCACAT GGGCTGATGT GGAGGCCAGG 2160  
 TATCCTCTGT TTGAAGGGCA AGAGACTGGT AAAAAAGAGA CAATCGAGGA ATGAGGACAA 2220  
 TTTTGACAAC TTTTGACCAC TTGCGCTAAT AAAAAAATA AACTACTCT TATGTCCACT 2280  
 TTACAAAAGA AAACAGCATT GTGATTACTC CCAGGGACCG TATTTTATCT TCAGTGGCTG 2340



89

2380

CCTGATTTTAA CCCCCACAAT TAAAGTTGAA GGAATCCTGA

Name: 306

Len: 2000 Check: 1B22

GGTATCGATG	ACGTGGACAT	TGACCTCCAC	ATCAACATCA	GCTTCCTCGA	TGAGGAAGTC	60
TCTACAGCCT	GGAAGGTCCCT	CCGGACAGAA	CCTATTGTGT	TGAGGCTGCG	ATTTTCTCTC	120
TCCAGTACC	TAGATGGACC	AGAACCATCC	ATTGAGGTTT	TCCAGCCATC	AAATAAGGAA	180
GGATTTGGGC	TGGGTCTTCA	GTTGAAAAAG	ATCCTGGGTA	TGTTTACATC	CCAACATGG	240
AAACATCTGA	GCAATGATTT	CTTGAAGACC	CAGCAGGAGA	AGAGGCACAG	TGTTTCAAG	300
GCAAGTGGTA	CCATCAAGAA	GTTCCGAGCT	GGCCTCAGCA	TCTTTTCACC	CATCCCCAAG	360
TCTCCAGTT	TCCCTATCAT	ACAGGACTCC	ATGCTGAAAG	GCAAACTAGG	TGTACCAGAG	420
CTTCGGGTTG	GGCGCCTCAT	GAACCGCTCC	ATCTCCTGTA	CCATGAAGAA	CCCCAAAGTG	480
GAAGTGTTTG	GCTACCTCC	CAGCCCCCAG	GCAGGTCTCC	TGTGCCCTCA	GCACGTGGGC	540
CTCCCTCCCC	CAGCACGGAC	CTCTCCTTTG	GTCACTGGTC	ACTGCAAGAA	CATTCCCCT	600
CTGGAGTATG	GATTCCTCGT	TCAGATCATG	AGTATGCAG	AACAGAGGAT	TCCAACATTG	660
AATGAGTACT	GTGTGGTGTG	TGATGAGCAG	CATGTCTTCC	AAAATGGATC	TATGCTGAAG	720
CCAGCTGTCT	GTACTCGTGA	ACTATGCGTT	TTCTCCTTCT	ACACACTGGG	CGTCATGTCT	780
GGAGCTGCAG	AGGAGGTGGC	CACTGGAGCA	GAGGTGGTGG	ATCTGCTGGT	GGCCATGTGT	840
AGGGCAGCTT	TAGAGTCCCC	TAGAAAGAGC	ATCATCTTTG	AGCCTTATCC	CTCTGTGGTG	900
GACCCCACTG	ATCCCAAGAC	TCTGGCCTTT	AACCCTAAGA	AGAAGAATTA	TGAGCGGCTT	960
CAGAAAGCTC	TGGATAGTGT	GATGTCTATT	CGGGAGATGA	CCCAGGGCTC	ATATTTGGAA	1020
ATCAAGAAAC	AGATGGACAA	GTTGGATCCC	CTGGCCCATC	CTCTCCTGCA	GTGGATCATC	1080
TCTAGCAACA	GGTCACACAT	TGTCAAATA	CCTCTCAGCA	GGCTGAAGTT	CATGCACACC	1140
TCACACCACT	TCCTCCTGCT	GAGCAGCCCT	CCTGCCAAGG	AGGCTCGGTT	CCGGACCGCC	1200
AAGAAGCTCT	ATGGCAGCAC	CTTTGCCCTT	CATGGGTCCC	ACATTGAGAA	CTGGCATTGG	1260
ATCCTGCGCA	ATGGGCTGGT	CAATGCATCC	TACACCAAAC	TGCAGCTGCA	TGGAGCAGCC	1320
TATGGCAAAG	GCATCTACCT	GAGCCCCATC	TCCAGTATTT	CCTTTGGATA	CTCAGGAATG	1380
GGAAAAGGAC	AGCACAGGAT	GCCCTCCAAG	GATGAGCTGG	TCCAGAGATA	CAACAGGATG	1440
AATACCATCC	CCCAGACCCG	ATCCATTGAG	TCACGGTTCC	TGCAGAGTCG	GAATCTAAAC	1500
TGTATAGCAC	TTTGTGAAGT	GATTACATCT	AAGGACCTCC	AGAAGCATGG	GAACATCTGG	1560
GTGTGCCCTG	TGTCCGACCA	TGTCTGCACA	AGATTCTTCT	TTGTATATGA	GGATGGTCTG	1620
GTGGGCGATG	CCAACATTAA	TACTCAGGAC	CCCAAGATAC	AGAAGGAAAT	CATGCGTGTG	1680
ATCGGAATCT	AGGTTTACAC	AAACTGAGGG	GGCCCCAGCC	CTCGTACCAC	CCCTGTTACC	1740
CCAGGATCCA	TCTGCCCTCA	TAAAAGTGTT	CAGGTACAGC	AGCTGAGGCT	GCCCTGAGGA	1800
ATCAAGGGGC	CATTACCAAG	GGGCAGGAAA	AGGATATGTA	AGAGGTGGCC	TTCATGGTAG	1860
AGCTTGACCC	AAGAACTACT	CCACATTCTG	ATGGCCCAGA	CTGACTCCAT	CCCCTGACTT	1920
TCCCTTTGAC	TTACCCCTGT	TTGTAAATAA	AACAATAAAA	TGGAAGGTGC	TGTGGACTGG	1980
AAAAAAAAAA	AAAAAAAAAA					2000

Name: 307

Len: 2268 Check: 125C

ATGGCCAGCG	TCCACGAGAG	CCTCTACTTC	AATCCCATGA	TGACCAATGG	GGTTGTGCAC	60
GCCAATGTGT	TAGGCATCAA	GGACTGGGTG	ACGCCGTACA	AGATCGCGGT	GCTGGTGCTG	120
CTGAACGAGA	TGAGCCGCAC	AGGCGAGGGC	GCCGTCAGCC	TCATGGAGCG	GCGGAGGCTC	180
AACCAGCTGC	TCCTGCCCTT	GCTGCAGGGC	CCAGATATTA	CACTGTCAAA	ACTTTACAAG	240
TTAATTGAAG	AGTCTTGTCC	ACAGCTGGCA	AATTCACTGC	AGATCAGAAT	CAAACTGATG	300
GCTGAAGGCG	AGTTGAAGGA	TATGGAACAG	TTTTTTGATG	ACCTTTTCTG	TTCTTTCTCT	360
GGAACTGAAC	CAGAGGTTCA	CAAAACAAGT	TAGTAGGTT	TGTTTCTGCG	TCACATGATC	420
TTGGCCTACA	GTAAGCTTTT	TTTCAGCCAA	GTGTTTAAAC	TGTACACTGC	CCTTCAGCAG	480
TACTTCCAGA	ATGGTGAGAA	AAAGACAGTG	GAGGATGCTG	ATATGGAAT	GACCACTAGA	540
GATGAGGGTG	AAAGAAAAAT	GGAAAAAGAA	GAACCTGATG	TATCTGTAAG	AGAAGAGGAG	600
GTATCTTGCA	GTGGGCTCT	GTCCCAAAAA	CAAGCAGAAT	TTTTTCTTTT	TCAACAGGCT	660
TCTTTGCTAA	AGAATGATGA	GACTAAGGCC	CTCACTCCAG	CTTCCTTGCA	GAAGGAATTA	720
AACAATTTGT	TGAAATTTAA	TCCTGATTTT	GCTGAAGCGC	ATTATCTCAG	CTACTTAAC	780
AACCTCCGTG	TCCAAGATGT	TTTCAGTTCA	ACACACAGTC	TCCTCCATTA	TTTTGATCGT	840
CTGATTCTTA	CCGGAGCCGA	AAGCAAAAGT	AATGGGGGAG	AGGGCTATGG	CCGGAGCTTG	900
AGATACGCCG	CTCTGAATCT	TGCCGCTCTG	CACTGCCGCT	TCGGTCACTA	TCAACAGGCA	960
GAGCTCGCCC	TGCAGGAGGC	AATTAGGATT	GCCCAGGAGT	CCAACGATCA	CGTGTGTCTC	1020
CAGCACTGTT	TGAGCTGGCT	TTATGTGCTG	GGGCAGAGAA	GATCCGATAG	CTATGTTCTG	1080
CTGGAGCATT	CTGTGAAGAA	GGCAGTACAT	TTTGGGTTAC	CGTACCTCSC	CTCCCTGGGA	1140
ATACAGTCCC	TTGTTCACAA	GAGAGCTTTT	GCTGGGAAGA	CGGCAAAACAA	GCTGATGGAT	1200
GCCCTAAAGG	ACTCCGACCT	CCTGCACTGG	AAACACAGCC	TGTCAGAGCT	CATCGATATC	1260
AGCATCGCAC	AGAAAAACGGC	CATCTGGAGG	CTGTATGGCC	GCAGCACCAT	GGCACTGCAA	1320
CAGGCCCAGA	TGTTGTCTGAG	CATGAACAGC	CTGGAGGCGG	TGAATGCGGG	CGTGCAGCAG	1380
AACAACACAG	AGTCCTTTGC	TGTCGCACTC	TGCCACCTCG	CAGAGCTACA	CGCGGAGCAG	1440
GGCTGTTTTG	CTGCAGCTTC	TGAAGTGTTA	AAGCACTTGA	AGGAACGATT	TCCGCCTAAT	1500
AGTCAGCACG	CCCAGTTATG	GATGCTATGT	GATCAAAAAA	TACAGTTTGA	CAGAGCAATG	1560

90

AATGATGGCA AATATCATTT GGCTGATTCA CTTGTTACAG GAATCACAGC TCTCAATAGC 1620  
ATAGAGGGTG TTTATAGGAA AGCGGTGTGA TTACAAGCTC AGAACCAAAT GTCAGAGGCA 1680  
CATAAGCTTT TACAAAAATT GTTGGTTCAT TGTCAGAAAC TGAAGAACAC AGAAATGGTG 1740  
ATCAGTGTCC TACTGTCCGT GGCAGAGCTG TACTGGCGAT CTTCTCTCCC TACCATCGCG 1800  
CTGCCCCATGC TCCTGCASGC TCTGGCCCTC TCCAGGAGT ACCGGTTACA GTACTTGGCC 1860  
TCTGAAACAG TGCTGAACCT GGCTTTTGCG CAGCTCATTC TTGGAATCCC AGAACAGGCC 1920  
TTAAGTCTTC TCCACATGGC CATCGAGCCC ATCTTGGCTG ACGGGGCTAT CCTGGACAAA 1980  
GGTCGTGCCA TGTTCTTAGT GGCCAAGTGC CAGGTGGCTT CAGCAGCTTC CTACGATCAG 2040  
CCGAAGAAAG CAGAAGCTCT GGAGGCTGCC ATCGAGAACC TCAATGAAGC CAAGAACTAT 2100  
TTTGCAAAGG TTGACTGCAA AGAGCGCATC AGGGACGTG TTTACTTCCA GGCCAGACTC 2160  
TACCATACCC TGGGGAAGAC CCAGGAGAGG AACCGGTGTG CGATGCTCTT CCGGCAGCTG 2220  
CATCAGGAGC TGCCCTCTCA TGGGSTATCC TTGATAAACC ATCTCTAG 2268

Name: 308 Len: 3176 Check: 1B22

GGTGGTGGCG GCGGCGCAAG GGTGAGGGCG GCCCCAGAAC CCCAGGTAGG TAGAGCAAGA 60  
AGATGGTGT TCTGCCCTC AAATGGTCCC TTGCAATCAT GTCATTTCTA CTTTCTCAC 120  
TGTTGGCTCT CTTAACTGTG TCCACTCCTT CATGCTGTCA GAGCACTGAA GCATCTCCAA 180  
AACGTAGTGA TGGGACACCA TTTCTTGGGA ATAAAATACG ACTTCTTGAG TACGTCTCC 240  
CAGTTCATTA TGATCTCTTG ATCCATGCAA ACCTTACCAC GCTGACCTTC TGGGGAACCA 300  
CGAAAGTAGA AATCACAGCC AGTCAGCCCA CCAGCACCAT CATCTGCAT AGTCACCACC 360  
TGCAGATATC TAGGGCCACC CTCAGGAAGG GAGCTGGAGA GAGGCTATCG GAAGAACCCC 420  
TTGAGGTCCT GGAACACCCC CCTCAGGAGC AAATTGCAT GCTGGCTCCC GAGCCCTCC 480  
TTGTGCGGCT CCCGTACACA GTTGTCTATC ACTATGCTGG CAATCTTTCG GAGACTTTCC 540  
ACGGATTTTA CAAAAGCACC TACAGAACCA AGGAAGGGGA ACTGAGGATA CTAGCATCAA 600  
CACAATTTGA ACCCACTGCA GCTAGAATGG CCTTTCCCTG CTTTGATGAA CCTGCCCTCA 660  
AAGCAAGTTT CTCAATCAA ATTAGAAGAG AGCCAAGGCA CCTAGCCATC TCCAATATGC 720  
CATTGGTGAA ATCTGTGACT GTTGCTGAAG GACTCATAGA AGACCATTTT GATGTCACTG 780  
TGAAGATGAG CACCTATCTG GTGGCCTTCA TCATTTTCAA TTTTGAGTCT GTCAGCAAGA 840  
TAACCAAGAG TGGAGTCAAG GTTCTGTGTT ATGCTGTGCC AGACAAGATA AATCAAGCAG 900  
ATTATGCACT GGATGCTGCG GTGACTCTTC TAGAATTTTA TGAGGATTAT TTCAGCATAC 960  
CGTATCCCTC ACCCAAACAA GATCTTGCTG CTATTTCCCGA CTTTCAGTCT GGTGCTATGG 1020  
AAAACGGGG ACTGACAACA TATAGAGAAT CTGCTCTGTT GTTGTATGCA GAAAAGTCTT 1080  
CTGCATCAAG TAAGCTTGGC ATCACAATGA CTGTGGCCCA TGAAGTGGCC CACCAAGTGT 1140  
TTGGGAACCT GGTCACATAG GAATGGTGGG ATGATCTTTG GCTAAATGAA GGATTTGCCA 1200  
AATTTATGGA GTTTGTGTCT GTCAGTGTGA CCCATCTTGA ACTGAAAGTT GGAGATTATT 1260  
TCTTTGGCAA ATGTTTTGAC GCAATGGAGG TAGATGCTTT AAATTCCTCA CATCTGTGT 1320  
CTACACCTGT GGAAATCCT GCTCAGATCC GGGAGATGTT TGATGATGTT TCTTATGATA 1380  
AGGGAGCTTG TATTCTGAAT ATGCTAAGGG AGTATCTTAG TGCTGACGCA TTTAAAGTG 1440  
GTATTGTACA GTATCTCCAG AAGCATAGCT ATAAAAATAC AAAAAACGAG GACCTGTGGG 1500  
ATAGTATGGC AAGTATTTGC CCTACAGATG GTGTAAAGG GATGGATGGC TTTTGCTCTA 1560  
GAAGTCAACA TTCATCTTCA TCCTCACATT GGCATCAGGA AGGGGTGGAT GTGAAAACCA 1620  
TGATGAACAC TTGGACACTG CAGAAGGGTT TTCCCTAAT AACCATCACA GTGAGGGGGA 1680  
GSAATGTACA CATGAAGCAA GAGCACTACA TGAAGGGCTC TGACGGCGCC CCGGACACTG 1740  
GGTACCTGTG GCATGTTCCA TTGACATTCA TCACCAGCAA ATCCGACATG GTCCATCGAT 1800  
TTTTGCTAAA AACAAAACA GATGTGCTCA TCCTCCCAGA AGAGGTGGAA TGGATCAAT 1860  
TTAATGTGGG CATGAATGGC TATTACATTG TGCATTACGA GGATGATGGA TGGGACTCTT 1920  
TGACTGGCCT TTTAAAAGGA ACACACACAG CAGTCAGCAG TAATGATCGG GCGAGTCTCA 1980  
TTAACAATGC ATTTAGCTC GTCAGCATTG GGAAGCTGTC CATTGAAAAG GCCTTGGATT 2040  
TATCCCTGTA CTTGAACAT GAAACTGAAA TTATGCCCCG TGAAGTGGAA ACTCAATTCA 2100  
TGATTCTAT GTATAAGTTA ATGGAGAAAA GAGATATGAA GCAGACATGG ACAGACGAGG 2160  
AGGCCCTCCT CATCAGGCTG CTAAGGGACC TCATTGATAA GCAGACATGG ACAGACGAGG 2220  
GCTCAGTCTC AGAGCGAATG CTGCGGAGTC AACTACTACT CCTCGCCTGT GTGCACAACT 2280  
ATCAGCCGTG CGTACAGAGG GCAGAAGGCT ATTTAGAAA GTGGAAGGAA TCCAATGGAA 2340  
ACTTGAACCT GCTGTGCGAC GTGACCTTGG CAGTGTGTC TGTGGGGGCC CAGAGCACAG 2400  
AAGGCTGGGA TTTCTTTTAT AGTAAATATC AGTTTTCTT GTCCAGTACT GAGAAAAGCC 2460  
AAATTGAATT TGCCCTCTGC AGAACCACAA ATAAGGAAAA GCTTCAATGG CTAAGATAG 2520  
AAAGCTTTAA GGGAGATAAA ATAAAAACTC AGGAGTTTCC ACAAATCTT ACACCTATTG 2580  
GCAGGAACCC AGTAGGATAC CCACTGGCCT GGCAATTTCT GAGGAAAAAC TGGAAACAA 2640  
TTGTACAAAA GTTTGAACCT GGCTCATCTT CCATAGCCCA CATGGTAATG GGTACAACAA 2700  
ATCAATTCTC CACAAGAAAC CGGCTTGAAG AGGTAAAGG ATCTTTCAGC TCTTTGAAAG 2760  
AAAATGGTTC TCAGCTCCGT TGTGTCCAAC AGACAATTGA AACCATTGAA GAAAACATCG 2820  
GTTGGATGGA TAAGAATTTT GATAAAATCA GAGTGTGGCT GCAAAGTGAA AAGCTTGAAC 2880  
GTATGTAATA ATTCCTCCTT TGCCAGGTTT CTGTTATCTC TAATCACCAC CATTTTGTTG 2940  
AGTGTATTTT CAAACTAGAG ATGGCTGTTT TGGCTCCAAC TGGAGATACT TTTTCCCTT 3000

34

CAACTCATTT TTTGACTATC CCTGTGAAAA GAATAGCTGT TAGTTTTTCA TGAATGGGCT 3060  
 TTTTCATGAA TGGGCTATCG CTACCATGTG TTTTGTTCAT CACAGGTGTT GCCCTGCPAC 3120  
 GTAAACCCAA GTGTTGGGTT CCCTGCCACA GAAGAATAAA GTACCTTATT CTTCTC 3176  
 Name: 309 Len: 2059 Check: 1D13  
 GCGGCCGCCA AGCGATCCCT GCTCCGCGCG ACCTGCGGTG CCGCGCACG CAGAGAGGCG 60  
 GTGACGCACT TTACGGCGGC ACGTAAGTGC GTGACGCTCG TCACTGGCTT CAGTTCACAS 120  
 GTGGCGCCMG SASGMRGTT GCTGTGTTTG TGCTTCCTT TACAGCCAAT ATGAAAAGGC 180  
 CTAAGTTAAA GAAAGCAAGT AAACGCATGA CCTGCCATAA GCGGTATAAA ATCCAAAAA 240  
 AGGTTTCGAGA ACATCATCGA AAATTAAGAA AGGAGGCTAA AAAGCAGGGT CACAAGAAGC 300  
 CTAGGAAAAGA CCCAGGAGTT CCAAACAGTG CTCCCTTTAA GGAGGCTCTT CTTAGGGAAG 360  
 CTGAGCTAAG GAAACAGAGG CTTGAAGAAC TAAAACAGCA GCAGAACTT GACAGGCAGA 420  
 AGGAACTAGA AAAGAAAAGA AAACCTGAAA CTAATCCTGA TATTAAGCCA TCAAATGTGG 480  
 AACCTATGGA AAAGGAGTTT GGCCTTTGCA AAACCTGAGAA CAAAGCCAAG TCGGGCAAAC 540  
 AGAATTCAAA GAAGCTGTAC TGCCAAGAAC TTAAAAGGT GATTGAAGCC TCCGATGTTG 600  
 TCCTAGAGGT GTTGGATGCC AGAGATCCTC TTGGTTGCGAG ATGTCCTCAG GTAGAAGAGG 660  
 CCATTTGTCCA GAGTGGACAG AAAAGGCTGG TACTTATATT AAATAAATCA GATCTGGTAC 720  
 CAAAGGAGAA TTTGGAGAGC TGGCTAAATT ATTTGAAGAA AGAATTGCCA ACAGTGGTGT 780  
 TCAGAGCCTC AACAAAACCA AAGGATAAAG GGAAGATAAC CAAGCGTGTG AAGGCAAGA 840  
 AGAATGTGTC TCCATTGAGA AGTGAAGTCT GCCTTTGGGAA AGAGGGCCTT TGGAAACTTC 900  
 TTGGAGGTTT TCAGGAAACT TGCAGCAAAG CCATTCGGGT TGGAGTAATT GGTTCCTCAA 960  
 ATGTGGGGAA AAGCAGCATT ATCAATAGCT TAAAACAAGA ACAGATGTGT AATGTTGGTG 1020  
 TATCCATGGG GCTTACAAGG AGCATGCAAG TTGTCCCTT GGACAAACAG ATCACAATCA 1080  
 TAGATAGTCC GAGCTTCATC GTATCTCCAC TTAATTCCTC CTCTGCGCTT GCTCTGCGAA 1140  
 GTCCAGCAAG TATTGAAGTA GTAAAACCGA TGGAGGCTGC CAGTGCCTATC CTTTCCAGG 1200  
 CTGATGCTCG ACAGGTAGTA CTGAAATATA CTGTCCCAGG CTACAGGAAT TCTCTGGAAT 1260  
 TTTTACTAT GCTTGCTCAG AGAAGAGGTA TGCACAAAA AGGTGGAATC CCAAATGTTG 1320  
 AAGGTGCTGC CAAACTGCTG TGGTCTGAGT GGACAGGTGC CTCATTAGCT TACTATTGCC 1380  
 ATCCCTTAC ATCTTGGACT CCTCCTCCAT ATTTTAATGA GAGTATTGTG GTAGACATGA 1440  
 AAAGCGGCTT CAATCTGGAA GAACCTGAAA AGAACAATGC ACAGAGCATA AGAGCCATCA 1500  
 AGGGCCCTCA TTTGGCCAAT AGCATCCTTT TCCAGTCTTC CGGTCTGACA AATGGAATAA 1560  
 TAGAAGAAAA GGACATACAT GAAGAATTGC CAAAACGGAA AGAAGGAAG CAGGAGGAGA 1620  
 GGGAGGATGA CAAAGACAGT GACCAGGAAA CTGTTGATGA AGAAGTTGAT GAAAACAGCT 1680  
 CAGGCATGTT TGCTGCAGAA GAGACAGGGG AGGCACTTCT GAGGAGACTA CAGCAGGTGA 1740  
 ACAGTCTACA AGGTCTTTTA TCTTGGATAA AATCATTGAA GAGGATGATG CTTATGACTT 1800  
 CAGTACAGAT TATGTGTAAC AGAACAATGG CTTTTTATGA TTTTTTTTTT TAACATTTTA 1860  
 AGCAGACTGC TAAACTGTTC TCTGTATAAG TTATGSTATG CATGAGCTGT GTAAATTTTG 1920  
 TGAATATGTA TTATATTAAA ACCAGGCAAC TTGGAATCCC TAAATCTGT AAAAAGACAA 1980  
 TTCATCTCAT TGTGAGTGGA AGTAGTTATC TGGAAATAAA AAAGAAGATA CCTATTGAAA 2040  
 AAAAAAAAAA AAAAAAAAAA 2059

Name: 31 Len: 550 Check: 2010  
 TCAGACTCTC CTCGTTGCGG CAGTCAGCTC GGCTCCTTCC AGCAACCATG TCTGACAAAC 60  
 CCGATATGGC TGAGATCGAG AAATTCGATA AGTCGAAGTT GAAGAAAACA GAAACGCAAG 120  
 AGAAAAATCC TCTGCCTTCA AAAGAAACAA TTGAACAAGA GAAGCAAGCT GGCGAATCGT 180  
 AATGAGGCGA GCGCGCCAAT ATGCACTGTA CATTCCACGA GCATTGCCTT CTTATTTTAC 240  
 TTCTTTTAGC TGTTTAACTT TGTAAGATGC AAAGAGGTTG GATCAAGTTT AAATCGACTG 300  
 TGCTGCCCCC TTCACATCAA AGAATCAGAA CTAATGAGCA GGAAGGCCCTC CCCTGCCTCT 360  
 CCCACCCATC TGATGGTCTG GCTAGCAGAG AGGGAAAAGA ACTTGCATGT TGGTGAAGGA 420  
 AAAAGCTGGG TGGGAGATGA TGAATNGAGA GGAAAATTTT AAGATCGTCC AAGATGTCCT 480  
 GGCAGGATGT AAATGGCAGT TTTAATCAGA GTGGCATTIT TTTTGTGTTT CAAACAATTT 540  
 TAATTATTGG

Name: 310 Len: 2238 Check: 1154  
 CGTTGCCGGG TOGCAGGTCC CGCCAGTGCG AGCGCAACGG AGGTGGAAGG CGTTCAGACT 60  
 CTTAGCTGAA CGCGGAGCTG CGGCGGCTAT GCTGTGGAGC GGCTGCCGGC GTTTCGGGGC 120  
 GCGCCTCGGC TGCCTGCCCC GCGGTCTCCG GGTCTCTGTC CAGACCGGCC ACCGGAGCTT 180  
 GACCTCCTGC ATCGACCCCT CCATGGGACT TAATGAAGAG CAGAAAAGAT TTCAAAAAGT 240  
 GGCCCTTTGAC TTTGCTGCCC GAGAGATGGC TCCAAATATG GCAGAGTGGG ACCAGAAGGA 300  
 GCTGTTCCCA GTGGATGTGA TCGGGAAGGC AGCCCCAGTA GGCTTCGGAG GGGTCTACAT 360  
 ACAAACAGAT GTGGGCGGGT CTGGGCTGTC ACGTCTTGAT ACCTCTGTCA TTTTGAAGC 420  
 CTTGGCTACA GGCTGCACCA GCACCACAGC CTATATAAGC ATCCACAACA TGTGTGCTTG 480  
 GATGATTGAT AGCTTCGGAA ATGAGGAACA GAGGCACAAA TTTTGCCAC CGCTCTGTAC 540  
 CATGGAGAAG TTTGCTTCCT ACTGCTCAG TGAACCAGGA AGTGGGAGTG ATGCTGCCTC 600  
 TCTTCTGACC TCCGCTAAGA AACAGGGAGA TCATTACATC CTCATGGCT CCAAGGCCTT 660  
 CATCAGTGGT GCTGGTGAAG CAGACATCTA TGTGGTCATG TGCCGAACAG GAGGACCAGG 720

32

CCCCAAGGGC	ATCTCATGCA	TAGTTGTTGA	GAAGGGGACC	CCTGGCCTCA	GCTTTGGCAA	780
GAAGGAGAAA	AAGGTGGGGT	GGAACTCCCA	GCCAACACGA	GCTGTGATCT	TCGAAGACTG	840
TGCTGTCCCT	GTGGCCAACA	GAATTGGGAG	CGAGGGGCAG	GGCTTCCTCA	TGCCCGTGAG	900
AGGACTGAAC	GGAGGGAGGA	TCAATATTGC	TTCCTGCTCC	CTGGGGGCTG	CCCACGCCTC	960
TGTCATCCTC	ACCCGAGACC	ACCTCAATGT	CCGGAAGCAG	TTTGAGAGAG	CTCTGGCCAG	1020
TAACCCAGTAC	TTGCAATTCA	CACCTGGCTGA	TATGGCAACA	AGGCTGGTGG	CCGCGCGGCT	1080
GATGGTCCGC	AATGCAGCAG	TGGCTCTGCA	GGAGGAGAGG	AAGGATGCAG	TGGCCTTGTTG	1140
CTCCATGGCC	AAGCTCTTTG	CTACAGATGA	ATGCTTTGCC	ATCTGCAACC	AGGCCTTGCA	1200
GATGCACGGG	GGCTACGGCT	ACCTGAAGGA	TTACGCTGTT	CAGCAGTACG	TGCGGGACTC	1260
CAGGGTCCAC	CAGATTCTAG	AAGGTAGCAA	TGAAGTGATG	AGGATACTGA	TCTCTAGAAG	1320
CCTGCTTCAG	GAGTAGAACC	CACACTTGTT	CTGGCCTGGT	GTTCAGTGCG	ACTGCAGTCA	1380
GTGTTGAGTG	GTGCCATGTG	GGCCGCTCTA	TTCCAAAGGA	ATCATGGATT	AGACCCAAGG	1440
GCTGAGCTCC	TCTAGGGCAG	GACCTGCACC	CTGTGTGTGG	GCACCAGCAT	CGGGTCTTGG	1500
ACTGGGGCAG	AATCCCCAGT	GGAAACCGAA	GAGCTGGACT	GATGAGAAAC	ATCAGAAGAA	1560
CACATACTAC	CTTGTTTTTC	TAATGCCAGA	AGGGTGACCA	GTGAAGATTG	ACCGTCAAAC	1620
CATGAAAGTC	CTTCTTTGGA	TCCACTTTAT	CTTGATTAGT	CTGCATTTTA	CTAGTTCAGT	1680
GGATCCCTCC	TCTAGGGGCC	TGGGGACTTT	CACCTGATGCT	CTTCCTGATT	CTAGAGCAAA	1740
GGTGTGGGAA	GGGGAAATGG	AGGAATGCCC	TCCTGTCTGT	GTGTTCTCT	GTGCCACAGC	1800
TACAGATGCA	GAAGGTTTCT	CTGGATAGCA	CACCTCTGAA	TGTAAATCAT	GATAAAATGG	1860
ATATTGGGAA	ACTTACTCCT	AAGCTGTGAT	GTAGGGTGTA	TTTCTACTTC	TGGACTGCCT	1920
CAATATCAAG	GGCTGAGACT	TTTGAATGTT	GAATATTTCG	TGGGTTTCAT	GTTAAGACGC	1980
CTGTGGTCCA	GGAGTGCTAT	TCAGTGTTC	TGTTCTTGAT	AAACACTTTG	AATATTTTTT	2040
TGTGTTTTTG	TTTCTTTTTC	TGAAGCTGTT	CCTCCTTTTA	AATATTTTTA	ATCACATTGA	2100
TAAATCTAT	CCTTCATCCA	CCTCTGGTTC	TACTATAGTT	GATTTTTATT	TTAAATGTTT	2160
AATTGTATT	GATTAAACAC	TTAACTGGAT	TTTGGGAATA	TAAACTCTC	GTCCAATTTG	2220
GCTTTTAAAA	AAAAAAA					2238

Name: 311

Len: 3334

Check:

1CA

CGGAGGAGGC	CCAGAGACCG	GAGCGCGGAG	ACCTCAGCCA	GCGGCCTACG	CCCAGGCCTT	60
TCTCCACCGG	AGGACCAGGG	AACCGCAGTC	TTCATCACAG	AGGTACCGTG	CTCCGCGCTC	120
CCGCGCTGAC	CGGGCCGAGC	CGGCTGCGGC	GGTGCTCCT	TCCTTCCTCC	TTCCCTCGCG	180
CTCTCTCTTT	CGCCCGCCCG	CGCCTTCCCT	GCCCGCCTGC	GTACCCGCGG	CCGCCATGGC	240
TGAGAATGGC	GAGAGCAGCG	GGCCCCCGCG	CCCCCTCCCG	GGCCCTGCTG	CGGCCCAAGG	300
CTCGGCTGCT	GGCCCGGCTG	AGCCTAAAAAT	CATCAAAGTC	ACGGTGAAGA	CTCCCAAAGA	360
GAAAGAGGAG	TTGCGCGTGC	CCGAGAACAG	CTCGGTTGAG	CAGTTTAAGG	AAGCGATTTC	420
GPAACGCTTC	AAATCCCAAA	CCGATCAGCT	AGTGCTGATT	TTTGCCGGAA	AAATCTTAAA	480
AGATCAAGAT	ACCTTGATCC	AGCATGGCAT	CCATGATGGG	CTGACTGTTT	ACCTTGTCAT	540
CAAAAGCCAG	AACCGACCTC	ASGGCCAGTC	CACGCAGCCT	AGCAATGCCG	CGGGAACATA	600
CACTACCTCG	GCCTCGACTC	CCAGGAGTAA	CTCCACACCT	ATTTCCACAA	ATAGCAACCC	660
GTTTGGGTTG	GGGAGCCTGG	GAGGACTTGC	AGGCCTTAGC	AGCCTGGGCT	TGAGCTCGAC	720
CAACTTCTCT	GAGCTCCAGA	GCCAGATGCA	GCAGCAGGTT	ATGGCCAGCC	CTGAGATGAT	780
GATCCAAATA	ATGGAAAATC	CCTTTGTTCA	GAGCATGCTT	TCGAATCCCG	ATCTGATGAG	840
GCAGCTGATT	ATGGCTAATC	CACAGATGCA	GCAATTGATT	CAGAGAAACC	CAGAAATCAG	900
TCACCTGCTC	AACAACCCAG	ACATAATGAG	GCGAGACTC	GAAATTGCCA	GGAATCCAGC	960
CATGATGCAA	GAGATGATGA	GAAATCAAGA	CCTGGCTCTT	AGCAATCTAG	AAAGCATCCC	1020
AGGTGGCTAT	AATGCTTTAC	GGCGCATGTA	CACCTGACATT	CAAGAGCCGA	TGCTGAATGC	1080
CGCACAAAG	CAGTTTGGGG	GTAATCCATT	TGCTCCGTTG	GGGAGTAGTT	CCTCCTCTGG	1140
GGAAGGTACG	CAGCCTTCCC	GCACAGAAAA	TGCGATCCA	CTACCCAATC	CATGGGCACC	1200
ACCGCCAGCT	ACCCAGAGTT	CTGCAACTAC	CAGCAGGACC	ACAAGCACTG	GTAGTGGGTC	1260
TGGCAATAGT	TCCAGCAATG	CTACTGGGAA	CACCGTTGCT	GCCGCTAATT	ATGTCGCCAG	1320
CATCTTTAGT	ACCCACAGGA	TGCAGAGCCT	GCTGCAACAG	ATAACTGAAA	ACCCCCAGCT	1380
GATTCAGAA	ATGCTGTCGG	CGCCCTACAT	GAGAAGCATG	ATGCAGTCGC	TGAGCCAGAA	1440
TCCAGATTTG	GCTGCACAGA	TGATGCTGAA	TAGCCCGCTG	TTTACTGCAA	ATCCTCAGCT	1500
GCAGGAGCAG	ATGCGGCCAC	AGCTCCGAGC	CTTCCTGCAG	CAGATGCAGA	ATCCAGACAC	1560
ACTATCAGCC	ATGTCAAACC	CAAGAGCAAT	GCAGGCTTTA	ATGCAGATCC	AGCAGGGGCT	1620
ACAGACATTA	GCCACTGAAG	CACCTSGCCT	GATTCCGAGC	TTCACTCCAG	GTGTGGGGGT	1680
GGGGGTGCTG	GGAACCGCTA	TAGGCCCTGT	AGGCCAGTC	ACCCCATAG	GCCCATAGG	1740
CCCTATAGTC	CCTTTTACCC	CCATAGGCCC	CATTGGGCCC	ATAGGACCCA	CTGGCCCTGC	1800
AGCCCCCCT	GGCTCCACCG	GCTCTGGTGG	CCCCACGGGG	CCTACTGTGT	CCAGCGCTGC	1860
ACCTAGAGAA	ACCACGAGTC	CTACATCAGA	ATCTGGACCC	AACCAGCAGT	TCATTACAGA	1920
AATGGTGAG	GCCCTGGCTG	GAGCAAATGC	TCCACAGCTG	CCGAATCCAG	AAGTCAGATT	1980
TCAGCAACAA	CTGGAACAGC	TCAACGCAAT	GGGTTCTTA	AACCGTGAA	CAAACCTGCA	2040
GGCCCTAATA	GCAACAGGAG	GCGACATCAA	TGCAGCCATT	GAAAGGCTGC	TGGGCTCCCA	2100
GCCATCGTAA	TCACATTTCT	GTACCTGGAA	AAAAAATGTA	TCTTATTTT	GATAATGGCT	2160

9.3

CTTAAATCTT TAAACACACA CACAAAATCG TTCTTTACTT TCATTTTGAT TCTTTTAAAT 2220  
 CTGTCTAGTT GTAAGTCTAA TATGATGCAT TTTAAGATGG AGTCCCTCCC TCCTACTTCC 2280  
 CTCACCTCCC TTCTCTTTG CTATCTTTTC CTACCTTCCC TTCTCTTTGT CTCCCCACTC 2340  
 CCTCCCTCTT TGTTCCTTC CTTCCTTATT TCCTTTAGTT TCCTTCCTTA GCCGTTTTTA 2400  
 GTGGTGGGAA TCAAATGCTG TTCACTCAA AAGTGTGCA TGCAACACT TCTCTTTATT 2460  
 CTGCATTTAT TGTGATTTTT GGAAACAGGT ATCAACCTTC ACAGGTTGGG TGCAACAAGT 2520  
 GTTGTCTAC AGATGTCCAA TTTATTTGCA TTTTAAACA TTAGCCTATG ATAGTAATTT 2580  
 AATGTAGAAT GAAGATATTA AAACCAGAAG CAAATTAATTT GAAGCCCTCT AATTTGTGGT 2640  
 ACGATATTGC CTTATTGTGA CTTTGGCAKG TATTTTTGCT AGCAAAATGC TGTAAGATTT 2700  
 ATACCAATTGA TCTTTTTGTC TATATTTGTA TACAGTACAG TAAGCACAAT TGGCCCTGTA 2760  
 CATCTAAAAA TATTACAGTA GAATCTGAGT GTAATATGTG TAACCAAAAT GAGAAAGAAT 2820  
 ACAAGAAATG TTTCTGGAGC TAGTTATGTC TCACAATTTT GTAGAATCTT ACAGCATCTT 2880  
 TGATAAACTT CTCAGTGAAA ATGTTGGCTA GGCAAGTTCA GTTAAACAT AGTACAAATG 2940  
 TTTATCCTGG CATCTCTAAG TACACATTTA ATTGCACAGA AAATTTACAG TGTAACATTG 3000  
 CGTCAACATT TGCAGATTGA CTGCATATGA CCTTAATCTT TGTGCAGCCT GAAGGATCAG 3060  
 TGTAGTAATG CCAGGAAAGT GCTTTTTACC TAAGACTTCC TTCTCAGCTT CTCCCATAAA 3120  
 CAGACCCTAA TATGCATTTT GATTTGTAAAT TGGAAATGTA ACTTTCCCTG AAAGTGTCAAT 3180  
 GTGATGTTTG CATTACTTTT AACTGCTATG TATAAAGGAA AGTGTGTCTT TTGACTTCAT 3240  
 CAGTTATTTT TCTTGCGCCC ACAGAAAAAT GCATTAAAAA TGAATAAAAA AAATAAAAAA 3300  
 TTAATAAATG GAAAAAATAA AAAAAAATAA AAAA 3334

Name: 312

Len: 1701 Check: 1755

GGAACAAAAG CTGGAGCTCC ACCGCGGTGG CGGCGCTCT AGAAGTAGTG GATCCCCCGG 60  
 GCTGCAGGAA TTCGGCAGCA GCAGAAGAGG GGGCTAGCTA GCTGTCTCTG CGGACCAGGG 120  
 GAGACCCCGC GCCCCCCCGG TGTGAGGCGG CCTCACAGGG CCGGGTGGGC TGGCGAGCCG 180  
 ACGCGGCGGC GGAGGAGGCT GTGAGGAGTG TGTGGAACAG GACCCGGGAC AGAGGAACCA 240  
 TGGCTCCGCA GAACCTGAGC ACCTTTTGCC TGTGTCTGCT ATACCTCATC GGGGCGGTG 300  
 TTGCCGGAGC AGATTTCTAT AAGATCTTGG GGGTGCTCTG AAGTGCTCTT ATAAAGGATA 360  
 TTAATAAGGC CTATAGGAAA CTAGCCCTGC AGCTTCATCC CGACCGGAAC CCTGATGATC 420  
 CACAAGCCCC GGAGAAATTC CAGGATCTGG GTGCTGCTTA TGAGGTTCTG TCAGATAGTG 480  
 AGAAACGGAA ACAGTACGAT ACTTATGGTG AAGAAGGATT AAAAGATGGT CATCAGAGCT 540  
 CCCATGGAGA CATTTTTTCA CACTTCTTTG GGGATTTTGG TTTTATGTTT GGAGGAACCC 600  
 CTCGTACGCA AGACAGAAAT ATTCCAAGAG GAAGTGATAT TATTGTAGAT CTAGAAGTCA 660  
 CTTTGGGAAG AGTATATGCA GGAAATTTTG TGGAAGTAGT TAGAAACAAA CCTGTGGCAA 720  
 GGCAGGCTCC TGGCAACCGG AAGTGCAATT GTCGGCAAGA GATGCGGACC ACCCAGCTGG 780  
 GCCCTGGGCG CTTCCAAATG ACCCAGGAGG TGGTCTGCGA CGAATGCCCT AATGTCAAAC 840  
 TAGTGAATGA AGAACGAACG CTGGAAGTAG AAATAGAGCC TGGGGTGAGA GACGGCATGG 900  
 AGTACCCCTT TATTGGAGAA GGTGAGCCTC ACGTGGATGG GGAGCCTGGA GATTACGGT 960  
 TCCGAATCAA AGTTGTCAAG CACCCAATAT TTGAAGGAG AGGAGATGAT TTGTACACAA 1020  
 ATGTGACAAT CTCATTAGTT GAGTCACTGG TTGGCTTTGA GATGGATATT ACTCACTTGG 1080  
 ATGGTCACAA GGTACATATT TCCCGGGATA AGATACCCAG GCCAGGAGCG AAGCTATGGA 1140  
 AGAAAGGGGA AGGGCTCCCC AACTTTGACA ACAACAATAT CAAGGGCTCT TTGATAATCA 1200  
 CTTTTAGTGT GGATTTTCCA AAAGAACAGT TAACAGAGGA AGCGAGAGAA GGTATCAAAC 1260  
 AGCTACTGAA ACAAGGGTCA GTGCAGAAGG TATACAATGG ACTGCAAGGA TATTGAGAGT 1320  
 GAATAAAATT GGACTTTGTT TAAAATAAGT GAATAAGCGA TATTTATTAT CTGCAAGGTT 1380  
 TTTTGTGTG TGTTTTGTG TTTATTTTCA ATATGCAAGT TAGGCTTAAT TTTTTTATCT 1440  
 AATGATCATC ATGAAATGAA TAAGAGGGCT TAAGAATTTG TCCATTGCA TCCGGAAGAG 1500  
 AATGACCAGC AAAAGGTTTA CTAATACGTC TCCCTTTGGG GATTTAATGT CTGGTGTCTG 1560  
 CGCCTGAGTT TCAAGAATTA AAGCTGCAAG AGGACTCCAG GAGCAAAAGA AACACAATAT 1620  
 AGAGGGTTGG AGTTGTTAGC AATTTCAATC AAAATGCCAA CTGGAGAAGT CTGTTTTTAA 1680  
 ATACATTTTG TTGTTATTTT T 1701

Name: 313

Len: 5956 Check: 1318

GGGGAGAACA CTCTTTGTC TGGGATTCCA ACCAGCTCTG TCCTTAGCTT GTCTCTGCCT 60  
 AGCAGTGTG CCCAAAGTAA TTTTCCACAA GGTCTGTGGT CTTCGGAAAT GGTCTTAAT 120  
 CAGCCTGCTA ATTTGCTGGT TCAACCAACA TCCAGCCAG TTCCAGAGAA CTGCGTTCCA 180  
 GAAAGTCAA AGGATCGTAA GGCAGGAAGT GCTCTTCCCG GATTTGCTAA TAGCCCTGCT 240  
 GGAAGCACAA GTGTGGTGT AGTTCCACCT GCACACGGCA CCCTGGTGCC TGATGGTAAT 300  
 AAGGCAACC ATTCCAGTCA TCAGGAAGAG ACTTACGGAG CCTAGACTT TGCCTTAAGC 360  
 AGGACTTTGG AAAATCCTGT AAACGTGTAC AACCGTCCC ATTCTGACAG CCTCGCTTCT 420  
 CAGCAAAGTG TTGCCAGTCA TCCAGACAA TCTGGGCTG GGGCGCTAA CCTTGACCGT 480  
 TTTTATCAGC AGGTACGAA AGATGCCAG GGCCAGCCTG GCCTCGAAAG AGCCAGCAG 540  
 GAGCTGGCGC CACCCAGCA ACAGGCTTCT CCCCCACAAC TACCAAAAGC CATGTTTTCG 600  
 GAGCTGTCAA ATCCAGAAAG TCTGCCCGCA CAGGGACAGG CCCAGAACTC AGCAGAGTCA 660  
 CCAGCAAGTC TGGTTCTGGT CGACGCGGGT CAGCAGCTGC CCCCTCGGCC TCCTCAGTCC 720

94

TCTAGCGTGT	CTCTGGTGTG	CAGTGGCTCC	GGCCAGGCAG	CTGTGCCGTG	AGAGCAGCCG	730
TGGCCACAGC	CAGTGCCTGC	ACTTGCCCCC	GGCCACCCGC	CTCAGGACCT	GGCCGCCTAC	840
TACTACTACC	GGCCTTTGTA	CGATGCCTAC	CAGCCTCAGT	ACTCCTTGCC	GTACCCACCG	900
GAGCCTGGCG	CAGCCTCCCT	CTATTACCAG	GATGTCTACA	GCCTCTATGA	GCCTCGATAC	960
AGGCCCTATG	ATGGTGTCTG	GTCTGCTTAC	GGCCAGAACT	ACCGCTATCC	CGAGCCCGAG	1020
CGGCCCAGCT	CCCGAGCCAG	CCACTCCTCG	GAACGGCCAC	CTCCAGGCA	AGGATATCCT	1080
GAAGGATACT	ATAGTTCCAA	AGTGGATGG	AGCAGTCAGA	GCGATTACTA	TGCAAGCTAT	1140
TACTCCAGCC	AGTACGATTA	TGGAGATCCA	GGTCACTGGG	ATCGTTACCA	CTACAGTGCT	1200
AGAGTCAGGG	ACCCCGGCAC	CTATGACCGG	AGGTATTGGT	GTGATGCAGA	GTATGACGCA	1260
TACAGGAGAG	AGCACTCTGC	CTTCGGGGAC	AGGCCCGAGA	AACGTGACAA	CAACTGGAGG	1320
TACGATCCTC	GCTTCACGGG	GAGTTTGTAC	GATGACCCCG	ATCCGCACAG	AGACCCCTTAT	1380
GGGGAAGAGG	TGGACCGGGG	CAGCCTCCAC	AGCGAGCACT	CGGCACGGAG	CCTGCACAGC	1440
GCACACAGCC	TGGCCAGCCG	CCGCAGCAGC	CTCAGCTCCC	ACTCGCACCA	GAGTCAGATT	1500
TACAGAAGCC	ACAATGTGGC	TGCCGGTTCC	TACGAGGCCC	CGCTTCCTCC	AGGCTCCTTT	1560
CACGGCGATT	TTGCCTACGG	CACCTACCGG	AGCAATTTCA	GCAGTGGCCC	CGGCTTCCCA	1620
GAGTATGGCT	ACCCCTGCCGA	CACCGTCTGG	CCTGCCATGG	AGCAAGTTTC	ATCAAGACCA	1680
ACTTCTCCTG	AAAAATTTTC	AGTGCCTCAT	GTCTGTGCCA	GGTTTGGCCC	TGGCGGTGAG	1740
CTTATCAAAG	TGATTCCCAA	TCTGCCTTCA	GAAGGACAGC	CGGCCTTGGT	GGAGGTCCAC	1800
AGCATGGAGG	CCTTGCTGCA	GCACACGTCT	GAGCAGGAGG	AGATGCGGGC	GTTCCCGGGA	1860
CCCCTGGCCA	AAGACGACAC	CCATAAGGTG	GATGTCATTA	ATTTTGCACA	GAACAAAGCT	1920
ATGAAATGTT	TGCAGAATGA	AAACTTAATT	GACAAAGAGT	CTGCAAGTCT	TCTTTGGAAT	1980
TTTATTGTTT	TCTTATGCAG	ACAAAATGGG	ACCGTGGTAG	GGACCGACAT	TGCGGAGCTT	2040
CTGTTACGAG	ACCACAGAAC	AGTGTGGCTT	CCTGGGAAGT	CGCCCAATGA	AGCAAACTTG	2100
ATTGATTTCA	CGAATGAGGC	AGTGGAGCAG	GTGGAAGAGG	AGGAGTCTGG	TGAGGCCGAG	2160
CTCTCTTTCC	TCACTGGTGG	TCCGGCGGCT	GCCGCCAGCT	CGCTCGAGAG	AGAGACCGAG	2220
AGGTTACGGG	AGCTGTTGCT	GTATGGCCGT	AAGAAGGATG	CTTTGGAGTC	TGCAATGAAG	2280
AATGGCCTGT	GGGGTCACGC	TCTGCTACTT	GCAAGTAAGA	TGGACAGCCG	GACACACGCC	2340
CGASTCATGA	CCAGGTTTGC	TAACAGCCTC	CCAATCAACG	ACCCTCTGCA	GACAGTCTAC	2400
CAGCTCATGT	CCGGACGGAT	GCCTGCCCGG	TCCACGTGCT	GTGGAGACGA	GAAATGGGGA	2460
GATTGGAGGC	CGCACCTCGC	CATGGTCTTG	TCCAACCTGA	ACAACAACAT	GGACGTCGAG	2520
TCCAGGACGA	TGGCTACCAT	GGGCGACACT	CTGGCTTCAA	GGGGCTCTTT	GGATGCGGGC	2580
CACTTCTGCT	ACCTCATGGC	CCAGGCGGGA	TTTGGTGTTC	ACACGAAGAA	AACTACAAAG	2640
CTTGCTCTAA	TGGATCCCAA	TCACAGTTTG	CCATTCTTAA	AGTTGCGAAC	CAACGAAGCA	2700
ATCCAGAGGA	CGGAAGCCCT	TGAGTACGCC	CAGTCCCTGG	GTGCCGAGAC	CTGCCCCCTG	2760
CCTAGTTTCC	AGGTGTTTAA	GTTTCTCTAC	TCCTGCCCGC	TGGCGGAAAT	GGGGCTGGCC	2820
ACGCAAGCCT	TCCACTACTG	TGAGGCCATC	GCGAAGAGCA	TCCTGACGCA	GCCGCACCTG	2880
TATTCCCCGG	TGTTGATCAG	CCAGCTTGTC	CAGATGGCTT	CCCAGTTACG	ACTCTTCGAT	2940
CCCCAGCTGA	AAGAGAAGCC	AGAAGAGGAG	TCCTTGGCCG	CACCCACGTG	GCTGGTTTAC	3000
CTGCAGCAGG	TGGAGCGGCA	GATTAAGGAG	GGGGCTGGAG	TATGGCATCA	GGATGGAGCC	3060
CTCCSCCAGC	AGTGTCTCTG	CACTCCGAGT	TCCGAGATGG	AGCAGTTGGA	CAGGCCAGGA	3120
CTCAGTCAGC	CAGGAGCCCT	GGGGATCGCC	AACCTCTGTC	TGGCGGTGCC	TGCACCGAGC	3180
CCTGAGCACT	CGAGCCCGAG	CGTGGGGCTG	CTGCCCTCAG	CTCCGCAGAC	GCTCCCTGAC	3240
GGCCCATTTG	CCAGTCTCTG	CAGAGTGCCG	ATGTTCCCAG	TGCCACTGCC	CCCGGGGGCC	3300
CTGGAGCCGG	GTCTTGCTG	TGTGACCCCA	GGGCCTGCAC	TTGGCTTCTT	GGAGCCCTCC	3360
GGGCCTGGCC	TCCCACCTGG	TGTGCCACCT	CTGCAGGAAA	GGAGACACTT	GCTCCAGGAA	3420
GCCAGGAGCC	CAGACCCAGG	GATAGTGCCG	CAGGAGGCGC	CTGTTGGAAA	CTCACTTTCC	3480
GAGCTAAGCG	AAGAAAATTT	TGATGGAAAA	TTTGCTAATC	TGACCCCTCT	GAGGACGGTG	3540
CCAGACTCGG	AGGCCCCCCC	AGGGTGGGAT	CGTGCCGACT	CGGGTCCCAC	GCAGCCACCT	3600
CTGTCTCTCT	CACCCGCTCC	CGAAACAAAG	AGACCCGGAC	AGGCAGCCAA	GPAAGAAACG	3660
AAGGAACCTA	AGAAGGGTGA	ATCCTGGTTC	TTTCGTTGGC	TACCTGGAAA	GAAAAAGACA	3720
GAAGCTTATT	TGCCAGATGA	CAAGAACAAA	TGATTGTTT	GGGATGAAAA	GAAAAACCAG	3780
TGGGTGAATT	TAAATGAGCC	AGAAGAGGAG	AAGAAAGCCC	CGCCCCCACC	TCCAACCTCG	3840
ATGCCCAAGA	CTGTGCAAGC	TGCCCCGCTT	GCCCTCCCAG	GGCCTCCTGG	AGCCCCCGTG	3900
AACATGTACT	CTAGAAGAGC	AGCAGGAACC	AGAGCTCGCT	ACGTTGACGT	CCTGAACCCA	3960
AGCGGGACCC	AGCGGAGCGA	GCCGCTCTC	GCTCCTGCGG	ACTTTGTGCG	TCCACTCGCG	4020
CCACTCCCAA	TTCTTCTTAA	CTTGTTCTGT	CCAACCCACG	ATGCAGAAGA	ACCACAGCTT	4080
CCAGACGGGA	CTGACAGGGA	AGGGCCTGCA	CGAGCTAGGG	GCCTGGCCAA	TCCAGAGCCT	4140
CCCCACGAGC	CCGAGGCTCC	TGGCGACCTC	GCTGCTGACG	GGGGCCCTCC	CAGCGGGGGC	4200
ATGCCCTTCT	ACAACCTGTC	TCAGCTGGCA	CAGGCCTGCG	CCACCTCCGG	GAGCTCAAGG	4260
CTAGGGAGGA	TTGGCCAGAG	GAAGCACCTG	GTGCTGAACT	AGGCTTGCCC	TGCTGTGAAC	4320
TTGCACTTGG	AGCCCTGACG	CTGCTGTTCT	CCCGAAGAAA	CCCGACCGAC	CTCCGCGATC	4380
TCCGTCCCGC	CCCCAGGGAG	ACACAGCAGT	GACTCAGAGC	TGGTGGCACA	CTGTGCCTCC	4440
CTCCTCACCG	CCCATCGTAA	TGAATTATTT	TGAAAATTAA	TTCCACCATC	CTTTCAGATT	4500

95

CTGGATGGAA AGACTGAATC TTTGACTCAG AATTGTTTGC CGAAAAGAAT GATGTGACTT 4560  
TCTTAGTCAT TTAGGATGAT TTAAGGATAT AGTATTCCTG GTCATTAAAG AATGTTCAAT 4620  
CATTGAAGCC GGAGCTGTCT CTGCCACGGG AGAGCCACAT GGTGCGTAGT AACCAGGGCC 4680  
TCTCCAAGCC CAGCTGTGAG TCACTGCCCA GTGAGTCCCG CGCTTCCTTT AAGGTGCTGG 4740  
GAGCAAAGAG AGGCTGACTG ASGCAGACCC CAACCCCTGC TCTGCACCAT CTGGGCCCCC 4800  
GCGGTGTTT AACCTGGCTG AATGAGTSGA GGGCGCTGTG TTCTCAATCA GCGCCTCCGA 4860  
GGAGCCGTGG GGTTCCTTCG GCATTAGTTC ACGGTTTTTG AGAGAGGCCC TAGTTACTGC 4920  
AGTGAATTTT TTTCTGTG CAGAGACGCT TCCAGCCTCA CTTTACTTTC TGTGGCCTGA 4980  
TGAGGACCAT GGGTGATTTT GTGTACCCAA AGCGCTGGGG ACTGCCACCC GTGTGGCCCA 5040  
GTCAGTGGGA AGGAGCCCCA GAGAGCCGGC TGTCTGACAT GATGGCTCAG GGTGGTCATC 5100  
CAGGTGAAA ACTGACCGTG TGATGTTTGA TTTGGGCTTC ATTTCGTGTG TAGGAGCAGC 5160  
GTTAGACTCA CTGTTAAGGA AGCTGGATGC ACTTCTCTAA AAGGCTGCAC TTTCCGTGAG 5220  
CACTTTTCGT GGTACAATCC ACATGACCCA CTTTCTCCCC TGGGGGACGT TGGTTCAGAG 5280  
GTTGGTAGCA CTTGGGGAGA GTATCTTAAC ACAGTTTCTT GACAGCAGCT CTGGAACCTA 5340  
GTATTTCTGC CCCGAGTTTT GCCACACTGA GACTTTGAGT AGCTCCTGGT GGACTCAACC 5400  
CTGTTCAACT CAGAGACGGG CCTCCTCTCA CTGATGCAAA GCTTTAAGGC TTCTCTGACT 5460  
GTTCTGAAC TCTTCGTATT CTTGTCAAGT CTAAAGAGAC TGAAGAAAAG ATTTAAATAC 5520  
TAATAAAAT CAGTAGATA TTTCTGTAGG TTCTGCTGGA GGAATACAAA CTGTTTGGTG 5580  
TTTTAAATTT AAGTGTAGAA ATTGTAGAA GTGGAATTAG CACAGATCCCT TCCTGGCTTT 5640  
CTGTTTCACT TGATCATTTA GCCCAGACCA CCCAGGATGT TTTCCAAAAT GTTCCACAGG 5700  
CGTGTCCCGC TGGATCCATT TGTCTTGTG ACTTGGAGAA AGGCCAGTCC CTGTGACGGG 5760  
GCAGCCCTCT CTGTCCCTCG GTGAGCTCGT GTGAATCTTG GGACCTCTTC CCGTCCGGCTC 5820  
TGCCCGCTGT TCTGGGGTCG ACTGCCACGA CTTTTGATTC AAGAAGCTTC CTCCAGGCGG 5880  
GAGCGGCTAT TTTTCTTAA TGAGAATTGT TACATTGCAA ATTTGTTGAAT AAAATATTTT 5940  
GCGCTCCTTC AAGCAC

Name: 314 Len: 4073 Check: 1DED

GCTGGGCACT GCGCATGCTG GGATGTGCTG CTGCTGTGGC TGCTGCCCCG TGCTGGCCCCA 60  
CCTAGAGCAG GGGTCACTTC GAGAGAGGAC CCGGGAAGA GAGAAGATGA AGGAAGCCAA 120  
GGATGCCCCG TATACCAATG GGCACCTCTT CACCAACATT TCAGTTTCAG GCATGACCAT 180  
GTGCTATGCC TGTAACAAGA GCATCACAGC CAAGGAAGCC CTCATCTGCC CAACCTGCAA 240  
TGTGACTATC CACAACCGCT GTAAAGACAC CCTCGCCAAC TGTACCAAGG TCAAGCAGAA 300  
GCAACAGAAA GCGGCCCTGC TGAAGAACAA CACCGCCTTG CAGTCCGTTT CTCTTCGAAG 360  
TAAGACAACC ATCCGGGAGC GGCCAAGCTC GGCCATCTAC CCTCCGACA GCTTCCGGCA 420  
GTCCCTCCTG GGCTCCCGCC GTGGCCGCTC CTCCTTGTCT TTAGCCAAGA GTGTTTCTAC 480  
CACCAACATT GCTGGACATT TCAATGATGA GTCTCCCTG GGGCTGCGCC GGATCCTCTC 540  
ACAGTCCACA GACTCCCTCA ACATGCGGAA CCGAACCTTA TCCGTGGAAT CCCTCATTGA 600  
CGAAGCAGAG GTAATCTACA GTGAGCTGAT GAGTGACTTT GAGATGGATG AGAAGGACTT 660  
TGCAGCTGAC TCTTGGAGTC TTGCTGTGGA CAGCAGCTTC CTGCAGCAGC ATAAAAAGGA 720  
GGTGATGAAG CAGCAAGATG TCATCTATGA GCTAATCCAG ACAGAGCTGC ACCATGTGAG 780  
GACACTGAAG ATCATGACCC GCCTCTTCCG CACGGGGATG CTGGAAGAGC TACACTTGGA 840  
GCCAGGAGTG GTCCAGGGCC TGTTCCTCTG CGTGGACGAG CTCAGTGACA TCCATACACG 900  
CTTCTCAGC CAGCTATTAG AACGCCGACG CCAGGCCCTG TGCCCTGGCA GCACCCGGAA 960  
CTTTGTGATC CATCGCTTGG GTGATCTGCT CATCAGCCAG TTCTCAGGTG CTAGTGCGGA 1020  
GCAGATGTGT AAGACCTACT CGGAGTTCTG CAGCCGCCAC AGCAAGGCCCT TAAAGCTCTA 1080  
TAAGGAGCTG TACGCCCGAG ACAACGCTT CCAGCAATTC ATCCGGAAAG TGACCCGCCC 1140  
CGCCGTGCTC AAGCGGCACG GGGTACAGGA GTGCATCCTG CTGGTGACTC AGCGCATCAC 1200  
CAAGTACCCG TTAATCATCA GCCGCATCCT GCAGCATTCC CACGGGATCG AGGAGGAGCG 1260  
CCAGGACCTG ACCACAGCAC TGGGGCTAGT GAAGGAGCTG CTGTCCAATG TGGACGAGGG 1320  
TATTTATCAG CTGGAGAAAG GGGCCCTGCT GCAGGAGATC TACAACCGCA TGGACCCCTG 1380  
GGCCCAAACC CCAGTGCTG GCAAGGGCCC CTTTGCCCGA GAGGAACCTC TGAGGCGCAA 1440  
ACTCATCCAC GATGGCTGCC TGCTCTGGAA GACAGCGACG GGGCGCTTCA AAGATGTGTT 1500  
AGTGCTGCTG ATGACAGATG TACTGGTGT TCTCCAGGAA AAGGACCAGA AGTACATCTT 1560  
TCCTACCCCTG GACAAGCCTT CAGTGGTATC GCTGCAGAA CTAACTCGTAC GAGACATTGC 1620  
CAACCAGGAG AAAGGGATGT TTCTGATCAG CGCAGCCCCA CCTGAGATGT ACGAGGTGCA 1680  
CACAGCATCC CGGGATGACC GGAGCACCTG GATCCGGGTC ATTCAGCAGA GCGTGCGCAC 1740  
ATGCCCATCC AGGGAGGACT TCCCCCTGAT TGAGACAGAG GATGAGGCTT ACCTGCGGGC 1800  
AATTAAGATG GAGTTGCAGC AGAAGGACCG GGCAGTGGTG GAGCTGCTGC GAGAGAAGGT 1860  
CGGGCTGTTT GCTGAGATGA CCCATTTCCA GGCCGAAGAG GATGGTGGCA GTGGGATGGC 1920  
CCTGCCCCACC CTGCCCAGGG GCCTTTTCCG CTCTGAGTCC CTTGAGTCCC CTCGTGGCGA 1980  
GCGGCTGCTG CAGGATGCCA TCCGTGAGGT GGAGGGTCTG AAAGACCTGC TGGTGGGGCC 2040  
AGGAGTGGAA CTGCTCTTGA CACCCCGAGA GCCAGCCCTG CCCTTGGAAC CAGACAGCGG 2100  
TGGTAACACG AGTCTCTGGG TCACTGCCAA TGGTGAGGCC AGAACCTTCA ATGGCTCCAT 2160  
TGAACCTCTC AGAGCTEACT CAGACTCTAG CCAGAGGGAT CGAAATGGAA ATCAGCTGAG 2220



96

ATCACCGCAA	GAGGAGGCGT	TACAGCGATT	GGTCAATCTC	TATGGACTTC	TACATGGCCT	2280
ACAGGCAGCT	GTGGCCAGC	AGGACACTCT	GATGGAAGCC	CGGTTCCCTG	AGGGCCCTGA	2340
GCGGCCGGGAG	AAGCTGTGCC	GAGCCAACTC	TGGGATGGG	GAGGCTGGCA	GGGCTGGGGC	2400
TGCCCCGTGTG	GCCCCGAAA	AGCAGGCCAC	GGAAGTGGCA	TTACTGGAGC	GGCAACATGC	2460
GCTGCTGCAG	GAGGAGCTAC	GGCGCTGCCG	GCGGCTAGGT	GAAGAACGGG	CAACCGAAGC	2520
TGGCAGCCTG	GAGGCCCGGC	TCCGGGAGAG	TGAGCAGGCC	CGGGCACTGC	TGGAGCGTGA	2580
GGCCGAAGAG	GCTCGAAGGC	AGCTGGCCGC	CCTGGGCCAG	ACCGAGCCAC	TCCCAGCTGA	2640
GGCCCCCTGG	GCCCCGAGAC	CTGTGGATCC	TGGGCGCGC	AGCCTCCCCG	CAGGCGATGC	2700
CCTGTACTTG	AGTTTCAACC	CCCCACAGCC	CAGCCGAGGC	ACTGACCGCC	TGGATCTACC	2760
TGTCACTACT	CGCTCTGTCC	ATCGAACTT	TGAGGACCGA	GAGAGGCAGG	AACTGGGGAG	2820
CCCCGAAGAG	CGGCTGCAAG	ACAGCAGTGA	CCCTGACACT	GGCAGCGAGG	AGGAAGGTAG	2880
CAGCCGTCTG	TCTCCGCCCC	ACAGTCCACG	AGACTTTACC	AGAATGCAGG	ACATCCCGGA	2940
GGAGACGGAG	AGCCGCGACG	GGGAGGCTGT	AGCCTCCGAG	AGCTAAGGGG	GCCCCTCCCC	3000
CCTGCCCCGT	GCCCCACTGA	AGAACATTAC	TGAGGGGGCT	AACCTTGGGG	ACTCCAATTT	3060
GCCAATGATG	AGGGAACATT	TGAAAGAACT	GCAAATTTGT	CTTGCCAGCT	CTTGGGATCC	3120
TTGGATACTT	GGGGCCATTT	AAGAAGCTAG	GGGAATTAGG	CCACAACACC	CCCTGGGACA	3180
TCCGAARAGCT	ACACCACAGA	TGCCAGTGGT	TCATGCCCTT	TTCCCGCAAC	TTTAGGAAAA	3240
TTTATTTATT	TATTGTTTAT	TAGTTATGGG	GGGAGAGGGG	AGATTTAAAG	GACCAGGGAC	3300
ATGGGAACCA	AGCCATAGGG	ATCAGAGGGC	CTTGCTCTTG	AACACTACTG	GGGTATATTC	3360
AGGCTCATCC	ACGCAGCTGC	TGGGTTCTTG	CCCTAACGGC	CCTCCCCCTG	AACATCCGTC	3420
TTGGAGGAGA	GGCTGCAGCC	ACAGCACCCCT	ACTGCCCTTT	AAATAAAGGA	GGGCTGTGGG	3480
CAGGGCCATG	TCCCTTTCTC	CTCTCCCCCT	AACCTCTTAC	TGCTGTTCTC	CCTTTCTCCG	3540
TCCTTCATGG	AAGCCCTGGG	AGATAACCTG	GCTTCCTGGA	GTTGATGGAA	TAAAGGTTGG	3600
GGTGGCCATA	ATGGTTTGTT	GGGGGTGAGG	GAAAAAACC	ACAGGGACCA	GAATGTTTTG	3660
TTGTTCCTTT	GTTTTCTTTT	TTGTACCAAA	GTCAACTGCA	CGTGTTTTAT	ATTTTTAAGA	3720
GATCGTAGGC	AATTAGAGAT	CSAAGCCTCC	TATCTCCACA	TCTCTGAAGA	AGTTGAGGGG	3780
TGGGGGAGAG	AATGACTTCT	GCCTTCATCT	GCAGTAACGG	GGGGACCTAT	ACTGACCTCT	3840
TCCCCAGCCA	TTTAGAAACA	AGTTCTAGGG	TGGGTTGGAA	AATCTCCAAG	AGCCCTGACC	3900
TCATCTTCCA	CCTCAGCAAC	CATGACCTGA	AACCTCAGCG	TGAATTTGGG	GGATTTTTCA	3960
GTGGAACCTT	TGCCCCCAAA	TGTCGACCAG	CCCCCAATG	TGGAAGAATT	TTCTTCTTGC	4020
CAATTTTETT	GTTTAAAAAA	AAAATTTCAGG	GAAAATTAAA	AACCTGGAAC	TCC	4073

Name: 315

Len: 6948

Check:

E69

GGGGCTGAAA	GACACACAGA	AGTCTTCATG	GATATAGTTG	ATACATTTAA	TCATTTAATT	60
CCTACTGAAC	ACTTAGATGA	TGCCCTATTT	CTAGGATCCA	ACCTGGAGAA	TGAAGTCTGT	120
GAGGATTTTA	GTGCAAGTCA	AAATGTCTTA	GAGGACTCGC	TGAAGAACAT	GCTCAGCGAT	180
AAGGATCCTA	TGCTAGGATC	TGCAAGTAAC	CAGTTCTGTT	TGCCTGTTTT	GGATAGCAAT	240
GATCCCAATT	TCCAGATGCC	TTGTTCAACA	GTTGTTGGTC	TTGACGATAT	TATGGATGAA	300
GGAGTTGTTA	AAGAAAGTGG	CAATGATACC	ATTGATGAAG	AAGAAGTGT	TTTACCTAAC	360
AGGAACTTAA	GGGACAAGGT	AGAAGAAAAAT	TCAGTGAGAT	CTCCAAGAAA	ATCACCTCGT	420
TTAATGGCAC	AAGAACAAGT	AAGAAGTTTG	CGACAGAGCA	CTATTGCCAA	GCGTTCAAAT	480
GCAGCACCAT	TAAGTAACAC	AAAAAAAGCA	TCTGGGAAGA	CTGTATCTAC	TGCTAAAGCA	540
GGAGTGAAAC	AACCAGAAAG	GAGTCAGGTT	AAAGAAGAAG	TATGTATGTC	ACTGAAACCT	600
GAGTACCATA	AGGAGAATAG	AAGGTGCAGC	CGAAATAGCG	GACAAATTGA	AGTGGTACCT	660
GAAGTATCAG	TGTCTTCAAG	TCATTCTTCA	GTGTCATCTT	GTCTTGAAAT	GAAGGATGAA	720
GATGGATTAG	ATTCTAAGCA	TAAGTGTAAT	AATCCGGGAG	AAATAGATGT	GCCATCTCAT	780
GAATTAATTT	GTTCACTTCT	TTCAGAGACT	TGTGTTACTA	TTGGAGAAAA	GAAAAATGAA	840
GCTTTGATGG	AATGTAAAGC	CAAGCCTGTT	GGTAGTCCAT	TGTTTAAGTT	TTTCAATAAA	900
GAAGAACATG	AACAAAATGA	TTCCATTTCA	GGTAAAACGG	GTGAGACTGT	TGTTGAAGAA	960
ATGATAGCAA	CAAGAAAAGT	TGAACAAGAT	TCAAAGGAGA	CAGTAAAATT	ATCCCATGAA	1020
GATGACCATA	TTCTTGAGGA	CGCTGGATCT	TCTGATATTT	CTAGTGATGC	TGCTTGTACA	1080
AATCCAAATA	AGACAGAAAA	CAGCCTTGTA	GTTTTGCCCTA	GTTGTGTAGA	TGAAGTGACT	1140
GAATGTAATT	TGGAATTGAA	GGATACCATG	GGTATTGCTG	ATAAACTGA	GAACACCTTT	1200
GAAAGAAATA	AAATTGAACC	GTTGGGTTAT	TGTGAAGATG	CGGAGTCTAA	TAGGCAGTTG	1260
GAGAGCACTG	AGTTTAATAA	ATCAAACTTA	GAGGTGGTTG	ATACTAGTAC	TTTTGGACCG	1320
GAAAGTAATA	TCTTGGAAAA	TGCTATTTGT	GATGTGCCTG	ACCAAAATTC	AAAACAGTTG	1380
AATGCTATAG	AAAGTACTAA	AATAGAGTCC	CATGAAACAG	CAAACTTCA	GGATGACAGA	1440
AACAGCCAGT	CAAGTAGCGT	TTCTTACTTA	GAGTCAAAAA	GTGTAAAATC	CAAAATACA	1500
AAACCTGTAA	TTCAATTCTAA	GCAAAACATG	ACCACAGATG	CTCCGAAGAA	AATTGTTGCA	1560
GCAAAGTATG	AAGTAATACA	TAGCAAAACT	AAAGTTAATG	TCAAAAGTGT	GAAACGAAAT	1620
ACTGATGTAC	CAGAATCTCA	GCAAAATTTT	CATAGGCCAG	TCAAAGTCAG	AAAAAACCAA	1680
ATTGATAAGG	AGCCAAAGAT	TCAGAGTTGC	AATTCTGGGG	TTAAATCTGT	GAAAAACCAA	1740
GCTCATCTG	TACTGAAAAA	PACATTACAG	GATCAAACTT	TAGTACAAAT	TTTCAAGCCC	1800
TTAACICATT	CTTTGAGTGA	TAAGTCACAC	GCTCATCCTG	GTTGCTTGAA	AGAACCTCAT	1860



97

CATCCTGCAC	AAACTGGACA	TGTATCACAT	TCTAGCCAGA	AACAGTGTCA	TAAGCCTCAG	1920
CAACAGGCCC	CAGCAATGAA	AACCAATAGT	CACGTGAAGG	AAGAGCTTGA	ACACCCAGGC	1980
GTTGAGCATT	TTAAGGAAGA	GGATAAACTG	AAACTGAAAA	AACCTGAGAA	GAACCTACAA	2040
CCCCGCCAAA	GAAGAAGCAG	CAAAAGTTTT	TCTTTAGATG	AGCCACCAIT	GTTTCATTCCA	2100
GATAACATAG	CTACCATAAG	AAGAGAAGGC	TCTGATCATA	GCTCCTCAIT	TGAAAGCAAA	2160
TATATGTGGA	CTCCCAGCAA	GCAGTGTGGG	TTTTGCAAAA	AACCACATGG	CAACAGGTTT	2220
ATGCTTGGCT	GTGGGAGATG	TGATGACTGG	TTTCATGGTG	ATTGTGTTGG	GTTAAGTCTT	2280
TCTCAAGCAC	AGCAGATGGG	CGAGGAAGAC	AAAGAATATG	TCTGTGTAAA	ATGTTGTGCT	2340
GAAGAAGACA	AAAAGACTGA	AATACTAGAT	CCAGATACTT	TGGAAAACCA	AGCTACAGTT	2400
GAATTCCTA	GTGGAGATAA	AACAATGGAG	TGTGAAAAGC	TTGGATTATC	AAAACACACA	2460
ACAAATGATA	GAACCAATA	TATAGATGAT	ACAGTGAAGC	ACAAGGTCAA	AATTTTAAAA	2520
CSGGAGTCTG	GTGAAGGCAG	AAATTCATCA	GACTGTAGAG	ATAATGAAAT	TAAAAAATGG	2580
CAGCTAGCTC	CTCTTCGTAA	GATGGGACAA	CCAGTTTTAC	CTCGGAGATC	CTCAGAAAGAA	2640
AAAAGTGAAA	AAATACCGAA	AGAGTCTACA	ACTGTTACTT	GCACAGGAGA	AAAAGCTTCA	2700
AAACCAGGTA	CTCATGAGAA	GCAAGAGATG	AAAAAGAAGA	AAGTTGAAAA	AGGAGTGCTT	2760
AATGTACATC	CTGCTGCTTC	TGCTTCCRAAG	CCTTCTGCAG	ATCAGATCAG	GCAAAGTGTC	2820
AGACATTCTC	TCAAAGACAT	TCTTATGAAG	AGACTTACAG	ACTCAAATTT	GAAGGTACCA	2880
GAGGAAAAGG	CAGCAAAAGT	TGCCACAAAA	ATTGAGAAAAG	AGCTTTTCTC	TTTTTTTCGG	2940
GACACAGATG	CTAAATATAA	GAACAAATAT	AGAAGTTTGA	TGTTTAATTT	GAAAGATCCT	3000
AAAAACAATA	TATTATTTAA	AAAAGTACTG	AAAGGAGAAG	TAACTCCTGA	TCATCTTATC	3060
AGAATGAGTC	CAGAAGAACT	AGCTTCTAAA	GAGTTAGCTG	CTTGGAGACG	AAGAGAAAAC	3120
AGACATACCA	TAGAAATGAT	TGAGAAAGAG	CAGAGAGAAG	TGGAACGACG	GCCAATCACC	3180
AAAATAAATC	ATAAAGGTGA	AATAGAAATT	GAGAGTGATG	CCCCAATGAA	AGAACAGGAA	3240
GCAGCCATGG	AGATTACAGG	ACCAGCCGCC	AATAAGTCAT	TGGAGAAGCC	AGAAGGATCT	3300
GAAAAACAAA	AAGAGGAGGT	TGACTCTATG	TCTAAAGATA	CCACTAGTCA	ACACAGACAG	3360
CATCTTTTTG	ATCTCAACTG	CAAAATCTGC	ATAGGTCGAA	TGGCACCACC	TGTAGATGAT	3420
CTTTCTCCAA	AAAAGTAAA	AGTTGTTGTA	GGAGTAGCTC	GCAAACATTC	AGACAATGAA	3480
GCAGAAAGTA	TAGCAGATGC	ATTATCTTCA	ACCTCAAATA	TTTTGGCTTC	TGAATCTTTT	3540
GAGGAGGAGA	AACAGGAGTC	TCCAAAGTCA	ACGTTCTCTC	CTGCTCCACG	TCCAGAGATG	3600
CCTGGAACTG	TTGAAGTTGA	GTCTACCTTT	CTGGCTCGAT	TGAACCTCAT	CTGGAAAGGT	3660
TTTATCAACA	TGCCCTCTGT	GGCAAAATTT	GTTACCAAAG	CCTATCCAGT	ATCTGGCTCC	3720
CCAGAATACC	TGACAGAGGA	CCTACCAGAT	AGTATTCAAG	TAGGTGGCAG	GATATCACCT	3780
CAGACAGTTT	GGGATTATGT	GGAAAAAATA	AAAGCATCAG	GAACCAAGGA	AATTTGTGTG	3840
GTTCTGCTTCA	CACCAGTAAC	TGAAGAAGAT	CAAATTTCTT	ATACTTTGCT	CTTTGCATAC	3900
TTCACTAGCA	GAAAGCGCTA	TGGAGTAGCT	GCTAACACAA	TGAAGCAGGT	TAAAGATATG	3960
TACCTTATTC	CTTTGGGTGC	CACAGATAAA	ATTCCACACC	CTCTTGTGCC	TTTTGATGGA	4020
CCTGGGCTTG	AACCTGCATG	ACCTAATCTA	TTGTTGGGCT	TAATTATTCT	TCAGAAACTG	4080
AAGCGACAGC	ACAGTGCCCTG	TGCTAGTACT	AGTCATATAG	CTGAGACTCC	TGAAAGTGCA	4140
CCACCAATAG	CATTGCCACC	TGATAAAAAA	AGTAAATAG	AAGTTTCTAC	AGAAGAAGCA	4200
CCAGAGGAAG	AAAATGACTT	TTTTAATTCT	TTTACAACCT	TATTACACAA	GCAGAGAAAT	4260
AAACCTCAGC	AGAATCTTCA	GGAAGACCTT	CCAACAGCAG	TTGAACCTTT	AATGGAAGTC	4320
ACCAACACAG	AGCCACCAAA	ACCTTTAAGA	TTTCTTCCTG	GCGTGTGAT	TGGCTGGGAG	4380
AATCAACCTA	CTACTCTGGA	ATTAGCAAAT	AAACCTCTTC	CTGTGGATGA	TATACTTCAA	4440
AGCCTTTTGG	GCACCACTGG	TCAAGTATAT	GACCAAGCCC	AGTCAGTGAT	GGAACAAAAC	4500
ACTGTTAAAG	AAATTCATT	TTTAAATGAG	CAGACCAACT	CAAAAATAGA	GAAAACAGAT	4560
AATGTGGAAG	TAAGTGATGG	TGAAAAACAAG	GAGATAAAAG	TTAAAGTAGA	TAATATTTCA	4620
GAATCTACAG	ATAAGTCAGC	AGAAATAGAA	ACATCAGTAG	TAGGGTCCTC	TTCCATTCTT	4680
GCAGGGTCTT	TGACGAGTCT	TAGTCTCAGA	GGTAAGCCAC	CAGATGTTTC	TACAGAAGCA	4740
TTTTTAACAA	ATTTATCAAT	TCAGTCAAAA	CAAGAGGAAA	CTGTGGAGAG	TAAAGAGAAA	4800
ACATTAAAAA	GACAGCTTCA	GGAAGATCAA	GAGAATAATT	TGCAAGATAA	CCAGACTTCA	4860
AATAGTTCTC	CATGCAGATC	TAATGTAGGA	AAAGGAAACA	TAGATGGTAA	TGTGAGCTGT	4920
AGTGAARACC	TTGTTGCTAA	TACAGCGAGG	TCTCCACAGT	TTATCAACCT	GAAAAGGGAT	4980
CCTAGGCAAG	CAGCAGGACG	AAGTCAGCCT	GTAACACTT	CAGAAAGCAA	AGATGGAGAT	5040
AGTTGCCGGA	ATGGAGAAAA	ACACATGCTG	CCTGGCCTGT	CACACAACAA	GGAGCACTTA	5100
ACAGAACAATA	TCAATGTAGA	GGAAAAGTTG	TGTTCTGCAG	AGAAAACTC	GTGTGTTTCAG	5160
CAGAGTGACA	ATTTAAAAGT	TGCACAAAAC	TCACCATCAG	TAGAAAACAT	ACAGACTTCT	5220
CAAGCAGAAC	AAGCAAAACC	CTTACAGGAG	GATATTTTAA	TGCAAAATAT	TGAAACTGTG	5280
CACCCATTTC	GAAGAGGATC	AGCAGTAGCG	ACATCTCATT	TTGAAGTTGG	AAACACATGT	5340
CCATCAGAAAT	TTCCCTCTAA	AAGCATCACC	TTTACTTCCA	GAAGCACCAG	CCCCAGAACA	5400
AGTACAAACT	TTTCACCCAT	GAGGCCACAG	CAGCCCAACC	TTCAGCATCT	CAAGTCTAGC	5460
CCACCTGGAT	TTCCATTTC	AGGGCCTCCT	AATTTTCCCC	CACAAAGCAT	GTTTGGATT	5520
CCACCACATT	TGCCACCTCC	ATTACTTCCC	CCTCCAGGCT	TTGGCTTTGC	TCAAAATCCC	5580
ATGGTTCCCT	GGCCACCTGT	TGTTCTATCT	CCAGGTCAGC	CACAGCGTAT	GATGGGTCTT	5640

98

CTCTCACAAG CATCAAGGTA TATAGGCCCC CAGAATTTTT ACCAGGTTAA AGACATTTCGG 5700  
 AGGCCAGAAA GGGCCCATAG TGACCCTTGG GGTAGGCAAG ACCAACAGCA ACTGGATAGG 5760  
 CCATTTAATA GGGGTAAAGG GGACCGCCAG AGATTTTATA GTGATTACCA CCATTTGAAA 5820  
 AGAGAGCGAC ATGAAAAGGA ATGGGAGCAA GAATCTGAAA GGCATAGACG CAGAGACAGA 5830  
 AGCCAAGACA AGGACAGAGA CAGAAAAAGC AGGGAGGAAG GGCACAAAGA TAAAGAGAGG 5940  
 GCACGGTTAT CACATGGTGA TCGAGGAACA GATGGAAAAG CAAGCAGAGA TAGTAGGAAT 6000  
 GTAGACAAGA AGCCAGATAA ACCTAAAAGT GAAGACTATG AGAAGGACAA AGAACGAGAG 6060  
 AAAAGTAAAC ACAGAGAAGG AGAAAAGGAC AGGGATAGGT ACCACAAAGA TAGGGACCAC 6120  
 ACTGACAGAA CTAAAAGCAA AAGGTAAAT TTAGCAGGCTG CTTTAGGATT ACATTTAAAT 6180  
 AACTGTTAAA ATGTTGTATC TTGTAACAA AAGAAAGATT GCCTGCTAGG ATTGTGCCAT 6240  
 CTTTAAAT TTTACTATTG GTCATTTGCA GAACAGTAAA TTCTGTGTGT TGGTACAGAG 6300  
 TGCTCTGTAC CAGTGCTCAT CATCCCTTCT TCATACCAAC GGTCCCTAGT TATAGGAATT 6360  
 TAATATTTTT AAAAGTTTTA CATTGCTGTA TATCAAAGA TTTGTTTTAT TAATATGCAA 6420  
 TAAAGGCTTA GAAATTTTAG TTTTATTCCT TAATGGTAA ATATGGTTAA CTATGGAATA 6480  
 TATTTACTTC CTCTAGTGAA TGTCCTTTAT ATAATGACTA ATTTGGGAGT AATGTGTGCT 6540  
 CTGTAAGTTT GTTTTAAAT GCACGTGTTT TAAAGAACT GTAGAGGAGC AACAAAAATC 6600  
 CAAGCAACTT CATAATCAGA TTATGCTAAT CATTAGTTG AGCAGTTTTT GACCAAGAAT 6660  
 CAGAAGCCCC AGGGGTACAT TTATTGCTTT AATCTGCACT CATTGAAGTC ATTTATTACC 6720  
 ATATACTACA GCTTTGTGGT AGGCCATTAT TTTTATTTC ATTTTGGCT CTTTCAAGAC 6780  
 TTGAATACTT AAGCTTGTAC ATGATCTTGT GTTTTGCTAT CCTTTTACT GTAAATGTA 6840  
 AATATTTTAA GGGATATTTT GATTCTAAT ATGATAAAAT AATTTCTCAC CTATTTTGTG 6900  
 TGTGTGACTT GAAATTCAGT AGTAAAAGAA TTTCTTCTTT AAAGCTTT 6948

Name: 316

Len: 8213 Check: 1522

CCCCCAGCAG AAGGGCGCGA CGGCTGCAAC ATCAGCGGTT AAATGTGACA GCCTTTCATA 60  
 GGCCGGTTCA ATGCATCCGT ACTAAGATTG TTAAGGCTGA GGTCCCTAG CCTGGGAAA 120  
 AACGAAAGGA GGCAGAGGGT AGGGAGACGG GAAGGAAGAC AAGGAGGGT TAGAAAACGG 180  
 GGAGAGGAGG GGGCGGGACA GCATGGGGAA GGCCCTCAGGT TTAGTGAGA GATCGTGGCG 240  
 TTCCCATAGA AACGTATCCC TCCGCCCATG ACCCGCGTGT TAGTCTCTTC AGTTCCTTCC 300  
 GCGTCGTTTC TTGGCTGTTT CCGCCAGCT CCTTTGTGCC GCGCAGACA ACGAGATGAC 360  
 GCATGCGCAA AGCGCAGCGG CCGCATATAT AAACGCGAAC CCGGGCTCTT CCTCGTAGTG 420  
 CCGCCGGGAC TCTTGGCGGG TGAAGGTGTG TGTCAGCTTT TGCGTCACTC GAGCCCTGGG 480  
 CGCTGCTTGC TAAAGAGCCG AGCACGCGGG TCTGTCTATCA TGTCGCGTTA CCGGCGGTAC 540  
 GGAGGAGGTA AGAAGCTGGA GTCCGGTGAG GGACGTTGGT GTGGGTGTAG TGAGCACTGC 600  
 GAGGCGGTAG GGTGTGCGCG GAGGTTGGGA GACGGTTATT CCGCGTGCGT AATGGCGGCT 660  
 TAGGAGCACG CCAGACGAAG CCGGAGGCGA CGGAGGCGGG GTGCTGAAGG GAGACGGGAT 720  
 GCGGGGTGTA CATCTCTGCC GAGTTCCGTA CTCTTGGGCA TTTTGTGGC CCAATCCAGC 780  
 CTAAAGCAGG GTTGAGATGA CGGTTTTTCG GTTGCTTTTC TCGGAGCTGC CCGCGGCCCC 840  
 CCTCCCCCCC CCGCCCTCGG CCGGCGGCTG CCATTTTGGC CACATTGAGG ACCGTGGTGG 900  
 CGCATTTTCT CAGCGCTTTC CCGCCACTTC AGCGGACAGA TCTGGCCGCA GCTGTAAGAT 960  
 CGTGGTTGTG TTTGAGATAG AACGAAATTG GCAGCTGTGA GCTGCATGTT CTCGTCAAAC 1020  
 AATCGGTTAA ATTGCGGAAT GGAATGGGG ACGTAATCTG CGACTGGCGG CTGGGTTTTT 1080  
 TTTTAGTTAT TTCCAGCGCG GTTTATGGCT CTGGGGCGGG GAGCTGGAGT CTGGGCGAG 1140  
 CCTGTGCTG GAGCGTTTGC CCGGAGGAG GAGAGCCGGC GCAGCCCTGC TCTCCTGGCC 1200  
 CGGCCCTCAT CGAGGCCCTC CCGCCGCGCA CGCGCTGCCG CTGCGGGCCC GCGCGCTCCC 1260  
 GGTGCGGCCG GGGCTGCCGG GACTCATGGG TGGGGCCGGG CCAGGTCCCG CCCACGCGCT 1320  
 CGGTGCTATC TACCAGCGGT TTCTGCTTGT TTCTGGGAGG GTCACCCCGC ATTATTTAGA 1380  
 ACGTTAAGAA TTTTGTCAAA AGTCTAGTTT CTCGGGGATT TGCGGACTTC ACCAGTTTTA 1440  
 CGACTAAGTT TTGTCTTGGA TAGAGGGCAT TAAATGTGCT TTACCCAATC TTGAGGATGG 1500  
 CCCGTTTTAA GGCAAGTAAG TAATTGAAC TTGGGCCAGA TTTTGCATAA CGTGCAATCT 1560  
 TCTATTTGCG TTTTAAACA GAAACCAAGG TGTATGTTGG TAACCTGGGA ACTGGCGCTG 1620  
 GCAAAGGAGA GTTAGAAAGG GCTTTCAGTT ATTATGGTCC TTTAAGAAT GTATGGATTG 1680  
 CGAGAAATCC TCCAGGATTT GCCTTTGTGG AATTCTGAAGA TCCTAGAGAT GCAGAAGATG 1740  
 CAGTACGAGG ACTGGATGGA AAGTAAGTAA GATGTTATGA ATCTTCTGTT CATTAAATA 1800  
 TACTGTGGCT AGATAATGAA CTTAGTGCTA AATTTGGATT CTGAAGTCTG GAAGAGACCT 1860  
 TAAATAGCTG GTCATAGTGT TAAATGCTAA AGGCACACGA AGGTTAAGA AGATAGCGGA 1920  
 GATGGAGTTA GGGCTTGGTA AAGACCGCCA AAGTTTGTGG GGGGGGAAGG AGTGGTTGGA 1980  
 AAGAGTGAGT GGTGGAAG AGTTCTTTTT AAATCTATAA GTCCTGAATA TATTTTAAAC 2040  
 TTTAGAATTT TGTTAATTTG CTTTTATTAG GGTGATTTGT GGCTCCCGAG TGAGGGTTGA 2100  
 ACTATCGACA GGCATGCCCT GGAGATCACG TTTTGATAGA CCACCTGCCC GACGTCCCTT 2160  
 TGATCCAAAT GATAGATGCT ATGAGTGTGG CGAAAAGGGA CATTATGCTT ATGATTGTCA 2220  
 TCGTTACAGC CGSCGAAGAA GAAGCAGGTA TTTATTTTAA TAAAGGAATG GTTGGTATTC 2280  
 TAGTTAATCA AGTAATCTTT TTATTAGCAA GGCAGAAACT AGTGTTTTTT TATAAATCTG 2340  
 AATGTTAATT GTACAGGTGT ATTTTACAAT TTGTGTTTAA TTAAAAAAT GTTACTATAT 2400

99

TAATAATCAA CCTGGTCAAA ACCCTTCAGG TTTCTTCGTT TGAGTCAGTC GCCTTGATTC 2460  
 AGAATGTAC GAGCCTTAIG ATATCATGCT GAGGCGCCTT GCAAATCCGA CAATTAAGAT 2520  
 CCTCCTAGAC CTTGAGGTGA TCAGCATAAG AGGCCAGATC CCTCGAGTC ATCTACACCT 2580  
 AGCTTCACCT TATTCTTTAA AGGGCAGAAA ATTTGAGACG GTGATCGCCG TAACAGTAAA 2640  
 TTTGGCTTAC AATTGGGGCC CCCCTCCSGT TTAGAAAAGAG GAACACCAGA TTGACCACAT 2700  
 TCCCAACTAG AAAAACTTTC TTGCGTCAAT CAAGCCTCAC CTGGCTCATT TGGCTGTGAG 2760  
 TTTGATCGTC GTTAGATTGA AGAAAACATC TAGATGCAGC GATCGGCTAT AGATACTTCT 2820  
 AGATCSTCTA GATCTACTAG ACCATGGGCC AAAGAGSGTC GACCTGCAAA CTTGCAAGGT 2880  
 TTATGTTAAA TACACATTAC AGTGTCTTAT ATTATGTAAT GCTAAGTTGT AATTCAGCTT 2940  
 TTAACAAATC TTTTTTTAGG TAGTAAAAAA AAAAATACTC AACAACTAAT AGGCCAGAG 3000  
 TTTATTTCCA AATGAGACAC TAAATTTAAA TAGTTTTAG ATTGATTTT AGCAGAGGCA 3060  
 CACAACTCT TAAAAACGAG TTATTGTCTG ACATTTTGT TTTCTCTAA CTTGAAAAAT 3120  
 AGGTCACGGT CTAGATCACA TTCTCGATCC AGAGGAAGGC GATACTCTCG CTCACGCAGC 3180  
 AGGAGCAGGG GACGAAGGTG AGATCTTGT TAACTGAAGT CTTTCTGTAT TATTATTAAT 3240  
 TTCACTGGTA GTCCAACACA GAAAAAGCTC ATTATTTTT TGGAGACAG GGTCTTGCTC 3300  
 TGTACCCCGG GCTGGAGTAC AGGGGCATAA CCACGACTCA CTGCTGCCCTT GATGATCTCT 3360  
 TGGGTTTAA GAGTTCTCCT ACCTCAGCCT CCCGAGTAGC TGGGACTGTA GGCACCTGCCA 3420  
 CCATACCCAG CTAATTTTTA TTTTTGTAGA AATGGTCTTG CACTGTTTCC CAGGCTGGTC 3480  
 TCAAGCTCCT GGGCTCAAC GATCCTCCCG CAGTGTGGG ATTATGGGCA TGAGCCACTG 3540  
 CACCGTTCCC CAGTTGAAGT CTTAACAGGC CAAAAAATAA AAAAAGTGT GAGATGGACT 3600  
 TAAAGTTCTT TATTTTAGGT CAAGGTCAGC ATCTCCTCGA CGATCAAGAT CTATCTCTCT 3660  
 TCGTAGATCA AGATCAGCTT CACTCAGAAG ATCTAGGTCT GGTCTTATAA AAGGATCGAG 3720  
 GTATTTCCAG TATGTAACAC TTTTTTCTT TACTTGTGT TGGATTGTT ACATCTTATC 3780  
 AGTAGAGTGT CTTAAGGACA TAATTCAAAT GGATTGCTT AGGGAATATT TGAGATGTA 3840  
 AAGTTTGGAA TTTATGTGTA ACTTGTAACA TAAATATTAC CCTAGTTTCA CAGATGAAGA 3900  
 AAAGGGCTAC TAGAGATTTT AAGGCTTGT AGGCCGTGTG GTAGACAAGG GTCCCAAGCA 3960  
 ATACAGCTCT ACTCAACACT CTGGCTAGGC ATGTTGCTAT AAACTTTTCT GGCTTCAGAT 4020  
 TGGATGATAC TAGCTCTGAA AGATGGTAAT TGATTTTCCC GACAAAAAGG CCTATTAGCA 4080  
 CCAGGAAAG AGATCAGAAG CAAGTAGAAA CATTCTCAT TTTTGGAAATG ATGGGGTTGA 4140  
 TTTGAGACAC TGGAAAGTTG ACTAGGGCAG TAGTGTGTAC ACAGAAATGA ATGTGGATTT 4200  
 TTTTTTTAGA CCGTTTCAGA CCTGAAAAAA CTAAAGAACC AGAGCTTTAC TATTTGTAGA 4260  
 AGGCCTTAAA AGGAGATAGA ATGGAAAAAA TTGTAATAA AGTATTGCAA CATGTAATTA 4320  
 ACAATATTGT TATCTGTACC AACGATAAAA CCGTGGTACG GAATGCTACT GGGAGTTAAA 4380  
 TTGCTGTTTA ATAGCACAAA ACCTTTAAAT GCAGGAATTC TGAATCTTGT GGTCTATTTG 4440  
 AGAAAGCTAT GAACCATCTC TTTAGATAAA TTTAAAAGAT AGATATGTCA GTCTGATTTG 4500  
 GTTGTCTGA CAGATTGATG GCTCTCAAAC ATAACCTGAT CCGGGAAGAA GCCTGACAAA 4560  
 TGGGGGGCGG CTTTCTTTTC GTCTGGCCTT AGTAGCTGGG ACTGCCATTG TGTACCACAG 4620  
 TGGTTATTTT CATCCTGCCT TAGCCTCCTG AGGTAGTTT TGCTTCCTTC ATACCAGTCT 4680  
 TGCCAGCTG AGGGATCTGT GCCTTAAGTG AGGTAGTTT TGCTTCCTTC ATACCAGTCT 4740  
 CATCAAATGA AAACCATGTA TTTCCCTTGG ATATTACACA GTGTTTGAGA ATGTTATACC 4800  
 TGTACAGAAA CTAACCAATT GAGTGATAGA AACAAGTAAT TGAAATGGGG GTTCCTTATG 4860  
 TCTGGTAACA CTTTGTGTTA CAGTGTGTTA GACAGAATAA GGCAAGTGT GCATCTGTG 4920  
 TAGTTTTAGC TTCTTTATGC CTGACCAACC TAATACAGTG TTGAGTAGTT AAGGAAATTC 4980  
 CTTTGGACTG ATTGATATAA TTGTGTTTTT TCACTTTTT CAAAGAAGCA GGTAGGTAA AAATTTGATT 5040  
 TCAAGATCAA GATCCAGGTC TATTTACAGA CACCAATATC CAAAGAGTTC AAAGTGTGTT TAATTGTTGA 5100  
 ATCTTTTTCT AGTTATATGG AACTTAGGTT TTAGTGGGAA CACAGTACCT TATTTGTGTA 5160  
 AATTTTAAAG GTTAACTCTA AACTTAGGTT TTAGTGGGAA CACAGTACCT TATTTGTGTA 5220  
 TGTCTTATTT ATTACTGGCT GACTTTCCCT GAACAAGGGA ATGTAAAACT ATAGTGAGAA 5280  
 AGAAGCTTAT GACTTGGGGG ATTATATTAA AGAGGCCCTT GTTAGAACTG ATAGGTGCAT 5340  
 GGAGAAGCAT CCTGAAATCG ATGTGCTTAA AGCAGAATGT AAAAGATTAA TCATGATGTA 5400  
 GTAATTGAGT CATTTTTTGA AAAACAGTTG TTGAAAGATT GGCTTTTGT AGCAACAAC 5460  
 GGTAGGATGT TTTTCAGTTT AAGTGCAGTG TGACATTTTA AGCTTAGGAC ATTTGGGGGT 5520  
 TTTACGGTAT TGGTGACTAC AAGAAAGGGA TTGGTTAGTA CTCTTTCTTT AATAGAATTT 5580  
 CTCATGTTTT GACAGCCGAT CAAAGTCCAG ATCTCCATCT CCAAAAAGAA GGTAAGCTAA 5640  
 ATGTTTTGTT GCCAAATCTT GCCTGTCPAG TGTGGCTCT GCAGAATTTG TTTGCTTACT 5700  
 GCTTTGCGAT CTTTGAGCTC TTTGGAGAAT TGGTGCTATA TAGATTAAAA TACTATGCTA 5760  
 AGTTTCTGAA ATACTTTTTT TTTTGTATTC AGTAACATTA GTTTATACTT TTGCTGGAAA 5820  
 TACTTAGTCA TAAATGTTA GGGTGATTAT TAAGATGTGA TTGGTCTGT GAGTACTTGG 5880  
 TAGAAATTTT GGTAAGATAG ATGCCTTTTT CCCACATGTA CAATAGATAC AAAGTGTGGA 5940  
 GAAAAGTCTT GGAAATAGTT ACCTGCCTAG TGCTTTCTTA TGACCAGAAA ACTTCAAATA 6000  
 GTTGTCTAT TATCTAGTG CTCTTAAAG ACCAGAAGAC TTCAAATAGT TGTCTATTTT 6060  
 AACTGCAGGT TGACCTTGCA ATTTTGACAA GGAGGATAGC CTAATTTTTT TTTTCTCTG 6120  
 GGATGGAGTT TTCGCTCTGT CCCCAGGCTT GGAGTGCAGT GGCTCAATCT TGGCTCACTG 6180

100

CAGCCTCCGA	TTCCCCGGGT	CAAGCAATTA	TCCTGTCTCA	GCCTCTTGAG	CAGTTGGGAT	6240
TACAGGCACC	CACCGCCAAG	CCTGGCTAAT	TTTTTGTATT	TCTAGTAGAG	ACGGAGTTTC	6300
ACCATGTTGG	CGAGGTTGGT	CTTAACTCC	TGATCTTAGG	TGATCACCTG	CCTCGGCCCTC	6360
TCCCAAAGTG	CTGGGGTTAC	AGGCGTGAGC	CACCGTGCCT	GGCCAGGGTA	GCCTAATCTT	6420
AAGCCAGGGA	CAAAAGATGA	ATATATGTAA	GTTTCATGTC	ATTTTLAGGT	CTTGCTATA	6480
GGAAATTAGT	ACCTTAGGCC	ACCTTTGAAG	TTATTGAAAG	TTAGTACATG	TACATGAGAG	6540
TTTCAATTGA	CACTAATTGG	ATCCAAACCT	AATGTTTTTC	TTTTTAGTCG	TTCCCCATCA	6600
GGAAGTCCTC	GCAGAAGTGC	AAGTCCTGAA	AGAATGGACT	GAAGCTCTCA	AGTTCACCCCT	6660
TTAGGGAAAA	GTTATTTTGT	TTACATTATT	ATAAGGGATT	TGTGATGTCT	GTAAAGTGTA	6720
ACCTAGGAAA	GATAATTCAA	CCATCTAATC	AAAATGGATC	TGGATTACTA	TGTAAATTCA	6780
CAGCAGTAAG	GATAATATAA	ATTTTGTGTA	ATGTATGAAC	ATCATATGGT	CTGAAAATGT	6840
GGGTTTTTAT	TGGGCACATT	TAAATAACAT	GTTTCTAACT	AGATTTTTGA	TTTGTGTTCA	6900
ATATTAACAC	TTCTTAATTT	GATATATTTG	AGAGTCAGAC	ATTATAATTG	TTAATCCTTA	6960
TTCATACATA	CCTACATTCA	GAATTGAAAG	GTGTTGGTTA	AGTCTTGAAC	ATCACTATTC	7020
TATGCATAAA	ACTTGGCCAG	GATCTTAAGG	GACTTTGAAA	ATTCCATCTT	ACCCTTGTAG	7080
CTCTGGGTAA	GATGACCTGA	GTCCCTTATG	ATACAGCCTG	AATGCATCAT	GACAGATCCT	7140
TAGTTAGCTA	ATCCGTTTGA	AGTTGGTGT	AGTAGGTATT	STATGATCAG	TGGTGAAGCA	7200
AGTAGGACCA	CTGATGTGTC	TAAATGAGCA	TGACAGGAAC	TAAACGAAAC	TGATTAAATG	7260
TATGAGAAAT	AGAAACTGAT	TTCTGGATGA	TCTTTATACT	AATTGCAGCT	TTCAGGCTAC	7320
TAGGTGGCAT	AGTGTAAATT	AGGACTCCCC	AAGATATGGG	GAGTCTACT	CTCAATGGTC	7380
TTGTTTTCTT	GCTTTCTACA	TTAGTTAACC	AGTTTTTATC	CAAAAAATGC	ATGTTTGAGG	7440
AATTGTCTGA	AATTGGGACA	AAACACCTTC	ATGTAAACCA	GCTTTGCAAA	ATTTTCCAGC	7500
CCAGATACTC	TTCATCTATT	CAAAATGGATT	GTCTTATTCT	GAGCAAAGAC	CTGTTGTTAA	7560
TCTTCAAGCT	AGGTTTTGCA	GTTCCCAACC	ACACATTTCT	TCTATTTTGC	CAGGCTGGTG	7620
CAAAGTAATT	AAAGATGTCA	ATCAGAAATG	TCAATGAGAC	TAAAGTGGTT	TTGTAAATCT	7680
CAGCTATATT	TAGCAACACT	CCATGTAGCT	AATATTTTTT	GGTAGCATCT	GGTAGACCTT	7740
AGAATGTTAC	ATAGCCAGTA	GGTTCTTTAT	TCAAATTTTA	AGTATCTTAA	GAATAGTAGG	7800
GCAGTAACAG	TTACTTTTGA	GAGTTTTCTG	GTCAAGCTTT	TACCAGGCAT	TCTCTAGCCT	7860
TGGTACAAAA	AAAAAATAAA	CCTGCTGGTT	GCGCAGATAC	CTAGGCTTGT	CCATTTTATG	7920
CATTTTCAGCA	AAGTCATTGG	AGACTATTGC	AACTTGGGAA	TACTGGTCTG	CATCAAGTTT	7980
AATTCCGGTAG	TTTGACCGCT	AGTATGTTGG	AAGTTATTTG	GATTGTTTTT	GGAATTTTGA	8040
CTGGCTGAAT	TATGGTTGGT	ATAAAGTTAT	GTGTATAACT	GGCAGGCTTA	TTTATCTGTT	8100
GCACTTGGTT	AGCTTTAATT	GTTCTGTATT	ATTTAAAGAT	AAGTTTACTC	AACAATAAAT	8160
CTGCAGAGAT	TGAACAAATA	ATCCTGATAC	TTAATTTTTG	GAAGTGGGAG	CTC	8213

Name: 317      Len: 572      Check: 4C

CGCCGCATTG	TGGTCCGCTT	CTCTGCACTA	TGTCCGGTGG	CCTCCTGAAG	GCGCTGCGCA	60
GCGACTCCTA	CGTGAGCTG	AGCCAGTACC	GGGACCAGCA	CTTCCGGGGT	GACAATGAAG	120
AACAAGAAAA	ATTACTGAAG	AAAAGCTGTA	CGTTATATGT	TGGAAATCTT	TCTTTTTACA	180
CAACTGAAGA	ACAAATCTAT	GAACCTTTCA	GCAAAAGTGG	TGACATAAAG	AAAATCATT	240
TGGGTCTGGA	TAAAATGAAG	AAAACAGCAT	GTGGATTCTG	TTTTGTGGAA	TATTACTCAC	300
GCGCAGATGC	GGAAACGCC	ATGCGGTACA	TAAATGGGAC	GCGTCTGGAT	GACCGAATCA	360
TTCCGACAGA	CTGGGACGCA	GGCTTTAAGG	AGGGCAGGCA	ATACGGCCGT	GGGCGATCTG	420
GGGGCCAGGT	TGCGGATGAG	TATCGGCAGG	ACTACGATGC	TGGGAGAGGA	GGCTATGGAA	480
AACTGGCACA	GAACCAGTGA	GTGGTGAGAG	CTCTGTCACT	GACAAACACT	CCTTTGGCCT	540
GTTGAATTTG	CTGAAGAACA	TCACCTAAAG	TC			572

Name: 318      Len: 338      Check: 14BF

CAATGCTTGA	AGTATAAAAA	GCTGAGAGTG	TTCTCGGGCA	GGGAGTCTCC	AGAACCAGGA	60
GAAGAAGAAT	TTGGACGCTG	GATGTTTCAT	ACTACTCAGA	TGATAAAGGC	GTGGCAGGTG	120
CAGATGTAGA	GAAGAGAAGG	CGATTGCTAG	AGAGCCTTCG	AGGCCAGCA	CTTGATGTTA	180
TTCCGTGTCC	TCAAGATAAA	CAATCCTTTA	ATTACTGTCC	GATGAATGTC	TGCAGGCTCT	240
TGAGGAGGTA	TTTGGGGTTA	CAGATAATCC	TAGGGAGTTG	CAGGTCAAAT	ATCTAACCAC	300
NTTACCAGAA	GGATGAGGAA	AAGTTGTCCG	CNTATGTC			338

Name: 319      Len: 451      Check: A27

TNTTTTTGAC	TTTAAATGAT	AAACTTTTTAT	TCTGAATATA	CTGTTTTTGC	ACAAGATTTA	60
ACACAACATT	TTCTGGGATT	ATAAATATTT	TATAACAGTA	TTATACAAAT	TTTTACAAAA	120
TGTTTTTATC	AGGCTAGGTA	ATTTTCACAA	AAGTGTCAAG	AGAACAAAAT	AAAGGGGAGA	180
AAAGATCTAT	TGTTACAAAA	AGCCAGTTGG	CCTTTTGCAT	GAATGCACAC	CATTTTAAATA	240
AAAGTATTCC	TAAAAGCATG	ATCCGACACT	CATACAACAC	AACAAAAAAG	ACAGCTTTAC	300
TAGGTCACAT	TATAAACTCA	ACTGGCATCT	ACACAAGACA	GTATCCCAT	AGTTTCAGTG	360
GAATTTGAGA	TAACTTGTGT	GAAGTAGAAA	TAAGGTAGAT	GAAGAGTTGT	CCAATTCCTC	420
NAAAATCTGG	AATTTTTTTT	CACACTCCAA	N			451

Name: 32      Len: 623      Check: 213F

GGCAGTAGCA	GAACACCTGC	TCTCATGAAC	TTCATGAIGA	CAGGCTCTTG	GGTGACAATT	60
------------	------------	------------	------------	------------	------------	----

10-1

GGTGGCAGCT TTGCAGCCAT GATTGGAGCT GGAATGCTTG TACACTCAAT ATCATATGAG 120  
 CAGANCCAGG CCCAAAGCAT CTGGCTTGGA TGCTGCATTC TGGTGTGATG GGTGCAGTTG 180  
 TGGCTCCTCT GACGATCTTA GGGGGGCTC TTCTCTGAG AGCCGCATGG TACACCGCTG 240  
 GTATTGTGGG AGGCCTCTCT ACTGTGGCCA TGTGTGCGCC TAGTGAGAAG TTTCTCGAAC 300  
 ATGGGAGCAC CCTGGGAGT GGGCCTGGGT CTGTCTTTT GCGTCTTCTC TGGGGTCTAT 360  
 GTTTCTTCCC CCTACCTCTG TGGGCTGGTG CACTCTGTAC TCAGTGGCAA TGTATGGTGG 420  
 ATTAGTTCTT TTCAGCATGT TCCTTCTGTA TGATACTCAG AAAGTAATCA AACGTGCAGA 480  
 AATAACACCC ATGTATGGAG CTCCAAAGTA TGATCCCATC AATTTTCATG TTGANATCTA 540  
 CATNGATACA ATTAATATAT TTATGCGAGT TGCANTAATG CTAGCAACTT GAAGCAACAG 600  
 AAAGAATGAA GTACCGCTTT TTA 623

Name: 320 Len: 359 Check: 19B0  
 GCCTACTGCA CCGCCGACCA CAACGTGAGC CCCAACATCT TCGCCTGGGT CTACAGGGAG 60  
 ATCAATGATG ACCTGTCTTA CCAGATGGAC TGCCACGCCG TGNAGTGCGA GAGCAAGCTC 120  
 GAGGCCAAGA AACTGGCCCA CGCCATGATG GAGGCCTTCA GGAAGACTTT CCACAGTATG 180  
 AAGAGCGACG GCGGGATCCA CAGCAACAGC TCCTCCGAAG AGGTTTCCCA GGAATTGGAA 240  
 TCCGATGATG GCTGATGAA CTTNAGACG CTTNAGCAAA GGCAGCATTG GTCACGGGGT 300  
 TCAAGGGAAT TAGATTGAGT AAGCAACGTT TCAAAATTGG GATGAAAGAT TTCCAAATT 359

Name: 321 Len: 295 Check: 102E  
 CCTCACTGCT ATGGGCCGCA ACAAGAAGAA GAAGCGAGAT GGTGACGACC GCGGGCCGAG 60  
 GCTCGTTCTT AGCTTCGACG AGGAGAAGAG GCGGGAGTAC CTGACAGGCT TCCACAAGCG 120  
 GAAGGTCCGAG CGAAAGAAGG CAGCCATTGA GGAGATTAG CAGCGGCTGA AAGAGGAGCA 180  
 GAGGAAGCTT CCGGAGGAGC GCCACCAGGA ATACTTGAAG ATGCTGGCAG AGAGAGAAGA 240  
 GGCTCTNGAG GAGGCAGATG AGCTGGACCG GTTGGTGACA GCPAAGACGG AGTCG 295

Name: 322 Len: 406 Check: 233D  
 CAAAAAGCTG GTNGCCTCCA GACCCGACTT TTTCAACCAG GAGCACCAGA CACGGGATGT 60  
 GGAAGTGTGTC CTCACAACAG GAGAAGTTTT CAGGTTGCTG GNNGNAGAGG GGGCTCGGGG 120  
 GGCTACCTGG AGCAGCTGTT CCGGCACGCG GCCCGAGAGC TCTTTGGAAT CCATGTGGCT 180  
 GAGGTTACCT ACAAACCCCT GAGGAACAAA GACTTCCAGG AGGTGACACT NGAGAAGGAG 240  
 GGCCAGGTGC TGCTGCACTT CGCAATGGCG TACGGCTTCC GCAACATCCA GAACCTGGTG 300  
 CAGAGGCTCA AACGAGGGCG CTGCCCCCTAC CACTACGTGN AGGTGATGGC CTGCCCCCTCA 360  
 GGCTGCCTGA ACGGCGGGGG GCCAGCTCCA GGTCCAGAC AAGGCC 406

Name: 323 Len: 489 Check: 149E  
 TTTTTTTTAA CATTCTTAAG TTTCTTCTT CTTCATAGTT TTCTAATGAA CAAATAGTTA 60  
 GTTTTCTTGA GTAAGATTAT AAAAAAGTTA ACCATTCTTC CAAAAGTATA AAGACAAATA 120  
 AAATGTCGAC TCATAATACA AATTTTTTAC ATAGCATTAAG AGGTGCAGAT ATTGACTGCC 180  
 CCTCTTCAAT ATGATTGGCC CACCCCTTAA AAAGACTGCA ACAGAGGATT CAATTGTCTA 240  
 AAATACTTCG AAGTACAGAA ATTAAATGCT TTAGCCCATATA AACATATCCC TCATCTATTG 300  
 TGTTGCTAGG GAACACATGA GCAAAATCTA TCATTGCGAC TTCTACTTCA GCAATCTCTT 360  
 GGCAACCAGT GGGAAGATGG TAGAAAACCT TNTCCAGTTG GGAAAGTACA TTTCCATTTA 420  
 AATGTTCTCTG TGACATGCTT TTCCACCCAT TGTCTGTGTC CAGATTTTCA ACTTTCAATG 480  
 AAGTCTGAC 489

Name: 324 Len: 491 Check: 21BF  
 TAAGGATTAA AAACGATTTT AATTATACAC ATATGGTCAC AATTTTGCCT TAAAAAGATT 60  
 GTTGGGAAAT GTACATAAGG CCGCTTGTAAG ATGTACATCG TGTTACTGTT ATGTCTTATG 120  
 TCCAGAGGAA AAAATGTTAT CATAAGATT TGCTCTTACT TGGGAGTAGG CTATTCAAAA 180  
 ATACAGTACT CTTCTGTACA AAGAAAAAAG TCACATCACA TTTAATAAGA TGAaaaaaAGC 240  
 ATTGGCCTCC ATGGTAACCA AATATCTCAG TCCAATACTT TCTATTATGC ACAATACCCCT 300  
 GACTTCAATT GAAAGTGATC CAAATTCTAG CAGGTCCATA TTAACAGTCA ACAACTATGT 360  
 TATAAAACAA AATGATCTCA CAATAATAAA AAGAAAGCTG GTTCATACTT CTGAAACCAT 420  
 ATAAAGATAA AAAATTTTAA AAAAATCACT CTCGATTTGG AGAAATAAAT TTACATTATA 480  
 CAACACTATA T 491

Name: 325 Len: 546 Check: 101E  
 CGGCACGAGG GACAACGCAG CCTGATAAAC AAGTGGACGA CTTTTCTTAA GGCCAGACTG 60  
 ATTTGCTCAA TTCCTGGAAG TGATGGGGCA GATACTTACT TTGATGAGCT TCAAGATATT 120  
 TATTTACTCC CCACAAGAGA TGAAAGAAAT CCTGTAGTAT ATGGAGTCTT TACTACAACC 180  
 AGCTCCATCT TCAAAGGCTC TGCTGTTTGT GTGTATAGCA TGGCTGACAT CAGAGCAGTT 240  
 TTTAATGGTC CATATGCTCA TAAGGAAAGT GCAGACCATC GTTGGGTGCA GTATGATGGG 300  
 AGAATTCCTT ATCCACGGCC TGGTACATGT CCAAGCAAAA CCTATGACCC ACTGATTAAG 360  
 TCCACCCGAG ATTTTCCAGA TGATGTCATC AGTTTCATAA AGCGGCACTC TGTGATGTAT 420  
 AAGTCCGTAT ACCCAGTTGC AGGAGGACCA ACGTTCAAGA GAATCAATGT GGATTACAGA 480  
 CTGACACAGA TAGTGGTGGG TCATGTCATT GCAGAAGATG GCCAGTACGA TGTAATGTTT 540  
 CTTGGA 546

Name: 326 Len: 456 Check: A6C

102

GCACGAGTCT ACATCCAGAG GACCAAGAGC ATGTTCCAGA GGACCACGTA CAAGTATGAG 60  
 ATGATTAACA AGCAGAATGA GCAGATGCAT GCGCTGCTGG CCATTGCCCT CACGATGTAC 120  
 CCCATGCGTA TTGATGAGAG CATTACCTC CAGCTGCGGG AGAAATATGG GGACAAGATG 180  
 TTGCGCATGC AGAAAGGTGA CCCACAAGTC TATGAAGAAC TTTTCAGTTA CTCCTGCCCC 240  
 AAGTTCCCTGT CGCCTGTAGT GCCCAACTAT GATAATGTGC ACCCCAACTA CCACAAAGAG 300  
 CCTTCCCTGC AGCAGCTGAA GGTGTTTTCT GATGAAGTAC AGCAGCAGGC CCAGCTTTCA 360  
 ACCATCCGCA GCTTCTGAA GCTCTACACC ACCATGCTTG TGGCCAAGCT GGCTGGCTTC 420  
 CTGGACCTCA CAGAGCAGGA GTTCCGGATC CAGCTT 456

Name: 327 Len: 462 Check: 1820  
 TTTACAGGTA CACAATTTAA TATTTATTAT ATGCATTTTA TATACATTAT TTTTCAACAG 60  
 CTGTATGTTT GCTATGTGGT ACAATCTTAA AAATTTGCTG ATTCATAGTT TGTAACAACA 120  
 AAACCTTACA AAACCTACAT AAACCTCGCA ACTGATCAGA AAAGTTTCTC GGAAGACTAG 180  
 AAAAAATACT TTATGTCTTT AATCATGCAT TACACAAACA AAATCTTTAG TTACACCATA 240  
 AAATTAAGCA CATCTAAAAA AATAAAACAG GGATAACTAG TCAAAACACA GCAGATTTCT 300  
 GTATCCTGAT TCAACTATTT TTGTATCCTA TTTGTAATGC AAATAAACT TTAATCCAAA 360  
 TATTTTITAA CAAGTTAGTT TTGTTTGGAA TCATGGTAAA CCAAGATATA TATCTTAGGG 420  
 GGAACCACTT TGGTTTGTAA TTTAACTAT AAAATACTCC AT 462

Name: 328 Len: 457 Check: D31  
 CAATTAAGGG CTTTGGCGGG ATTGGCTCCG CGTTTGGGCT TCCCCACCTA 60  
 CCAGGGTCGG ATCCGGAGCC CTTCCCGGCG GGGCGGGGAC CTCCAAACAA CCGACTCCTT 120  
 TCCAGCTGAA GAAACACTTA AATTCTGGAA ATAGCGACTC AGTATCATGG CCAGCAGCCT 180  
 TAATGAAGAT CCAGAAGGAA GCAGAATCAC TTATGTGAAA GGAGACCTTT TTGCATGCCC 240  
 GAAACAGAC TCTTTAGCCC ACTGTATCAG TGAGGATTGT CGCATGGGCG CTGGGATAGC 300  
 TGTCTCTTT AAGAAGAAAT TTGGAGGGGT GCAAGAACTT TTAATCAAC AAAAGAAATC 360  
 TGGAGAAGTG GCTGTTCTGA AGAGAGATGG GCGATATATA TATTACTTGA TTACAAAGAA 420  
 AAGGGCTTCG CACAAGCCAA CTTATGAAA CTTACAG 457

Name: 329 Len: 448 Check: 77C  
 TTTTTTTTTT TTTTATGATG CACTCCAAGT GCCATATGTC TATTTTATTC TTCAGGAAAT 60  
 TATATTTTTC TTTTACAAGA GCACAACAGG AACCAGGTA AAAGAGTAAT AGATACAGCA 120  
 CTCAGGATAA ATCATATCTT TAAAATAATA ATAAAAAAAT TTACACCTTG TCCTATATCC 180  
 TGTTAGTATT TTCATAATAT GGCCATGATT GAAAAACAA AAAGCAAGCA TCTACAATTT 240  
 TTTTGTATTA AGACTTTTTA TGCCAGGAAT GGATTAATTA CCAACAAAAT TTATACTAAT 300  
 CAGGCTGATG TCAATCTATT TTTGTAATGT ATCATTAACA AATTTATTTT GGAAAAGATA 360  
 AAAATATTGC CCCTTGATAA TAAATCTTTT TTTCCTTTGA TGCAACAGC TAGAACACCT 420  
 TTTTCTTTTT CTTTTTGATA TTCTAAGA 448

Name: 33 Len: 464 Check: 1B37  
 TATTTCAAGC AACTTTTCCA GTATGCTTAC CTTGTTACGA CTATCTCCT CTCATAAACG 60  
 GATGTCTAGA AATTAATTAT GTTAAGTTTA ATTTAATTTG AGGAGGGTGA CGGGCGGTGT 120  
 GTGCGTACTT CATGTCTCAA TTCAATTAAG CTCTCTATTC TTAATTTACT ACTAAATCCT 180  
 CCTTAGTCCT TTAGTTTCAT AAAGGGTATA GTAATGTTCT TTTATAAGAA AATGTAGCCC 240  
 ATTTCTTCCC ATTTCAATGG CTACACCTTG ACCTAACGTT TTTATGTTTG ATTCTTTTGC 300  
 TTACTTTAAT ACCTTTTTAG GGTGTTGCTGA AGATGGCGGT ATATAGGCTG AATTAGCAAG 360  
 AGATGGTGAG GTAGAGCGGG GTTATCCGA TTATAGAACA GGCTCCTCTA GATGGATATA 420  
 AAGTACCGCC AAGTCCNTTG AAGTTTTAAG CNATGGCTAG TAGT 464

Name: 330 Len: 373 Check: A98  
 GTTGCACATG CCGTCGGCCA TGACTGTGTA TGCTCTGGTG GTGGTGTCTT ACTTCCTCAT 60  
 CACCGGAGGA ATAATTTATG ATGTTATTGT TGAACCTCCA AGTGTGCGTT CTATGACTGA 120  
 TGAACATGGG CATCAGAGGC CAGTAGCTTT CTTGGCCTAC AGAGTAAATG GACAATATAT 180  
 TATGGAAGGA CTTGCATCCA GCTTCCTATT TACAATGGGA GGATTAGGTT TCATAATCCT 240  
 GGACCGATCG AATGCACCAA ATATCCCAA ACTCAATAGA TTCCTTCTTC TGTTCAATGG 300  
 ATTCTCTGT GTCTATTGA GTTTTTTGAT GGCTAGAGTA TTCATGAGAA TGAATGCTG 360  
 GGGCTATCTG ATG 373

Name: 331 Len: 306 Check: 2689  
 GGCGAAGAGG ACCAGGACTA TGACATCACC CAGTCCACC GAGGTCTGGA GGCCAGGCGG 60  
 GAGGTGGTTC TCCGCAATGA CGTGGCACC ACCATCATCC CGACACCCAT GTACCGTCTT 120  
 CGGCCAGCCA ACCCAGATGA AATCGGCAAC TTTATAATTG AGAACCTGAA GGCGGCTAAC 180  
 ACAGACCCCA CAGCCCCGCC CTACGACACC CTCTGGGTGT TCGACTATGA GGGCAGCGGC 240  
 TCCGACGCCG CGTCCCTGAG CTCCCTCACC TCCTCCGCCCT CCGACCAAGA CCAAGATTAC 300  
 GATTAT 306

Name: 332 Len: 626 Check: FF  
 TCACGTATCG CAAGGGGCTT TTATTGGATT AGTTGCGTGG GGGAAATCAGT TCTTCCCGAG 60  
 AGCAGCAAGT GCAGGCATTA GTGTACAGAA TCCAGAGGAA GGGCAGGCTG CTTGGGTGAG 120  
 GCCTACTCGC CTGGAGACAT GTGGAGTTCT CTAGGGGTCT GCAGCCACCT CGGGGAGCTG 180

103

GGAGATTCCC TCCCAGACAC TCCTACATAT AGGAAGGTGA TGCTTCTATC TCATTCCGCA 240  
CGGCTTTTCC TCGGSTATTC CTGTAGCGCC TTCTCCGCCA CTGTGTCCAT AAACCTAGGG 300  
TTATCCTTAG AGACTTCTTC TGGTAACACC ACTGTGATGG GGTCAGAGTC AAACAGCTTC 360  
ACCACCACCT CAGTGACACG GGANGGGACC TCTGAGTCAG AGGAATGGGT GGTACCGGTG 420  
GAGACCCGAA GGTAAGTACT TGCTTCGN C TGCTGTGAAG GTTAGCCAAC TGGGAAACCC 480  
AGTTTGAAC TGGTCGTCAG CTGTCTCCAG CAGGGAATGA GGTGTTGAGC ATCTTTCCAG 540  
TGGAAAGACT GCAGCAGTTC CCTGTANTGC TCTGTNAGCC TTTCGGCACC TGGAGCGAGT 600  
CGTTAAGTCC TGGGCAGGTT AGCTGG

Name: 333 Len: 4898 Check: FCC  
GAATTCGCGC TGCCAGGGGC GTCCGGTTAC ATCCCCGCCCT TCCTCTGTCC TGGCCGCGGG 60  
ACCGGGTTTG CGGGACCGCA GTTCGGGAAC ATGTTGGCCT CGAGCAGCCG GATCCGGGCT 120  
GCGTGGACGC GGGCGCTGCT GCTGCCGCTG CTGCTGGCGG GGCCTGTGGG CTGCCTGAGC 180  
CGCCAGGAGC TCTTTCCCTT CGGCCCCGGA CAGGGGGACC TGGAGCTGGA GGACGGGGAT 240  
GACTTCGTCT CTCCTGCCCT GGAGCTGAGT GGGGCGCTCC GCTTCTACGA CAGATCCGAC 300  
ATCGACGCG TCTACGTCAC CACAAATGGC ATCATTGCTA CGAGTGAACC CCCGGCCAAA 360  
GAATCCCATC CCGGGCTCTT CCCACCAACA TTCGGTGCAG TCGCCCTTTT CCTGGCGGAC 420  
TTGGACACGA CCGATGGCCT GGGGAAGGTT TATTATCGAG AAGACTTATC CCCCTCCATC 480  
ACTCAGCGAG CAGCAGAGTG TGTCCACAGA GGGTTCCCGG AGATCTCTTT CCAGCCTAGT 540  
AGCGCGGTGG TTGTCACCTG GGAATCCGTG GCCCCCTACC AAGGGCCAG CAGGGACCCA 600  
GACCAGAAAG GCAAGAGAAA CACGTTCCAG GCTSTCTAG CCTCCTCTGA TTCCAGCTCC 660  
TATGCCATTT TCCTTTATCC TGAGGATGGT CTGCACTTCC ATACGACATT CTCAAAGAAG 720  
GAAAACAACC AAGTTCCCTG CGTGGTTGCA TTCAGTCAAG GTTCAGTGGG ATTCTTATGG 780  
AAGAGCAACG GAGCTTATAA CATATTTGCT AATGACAGGG AATCAATTGA AAATTTGGCC 840  
AAGAGTAGTA ACTCTGGGCA GCAGGGTGTG TGGGTGTTG AGATTGGGAG TCCAGCCACC 900  
ACCAATGGCG TGGTGCCTGC AGACGTGATC CTCGGAAC TGAGTGGGGC AGAGTATGAT 960  
GATGAGGATG AAGATTATGA CCTGGCGACC ACTCGTCTGG GCCTGGAGGA TGTGGGCACC 1020  
ACGCCCTTCT CCTACAAGGC TCTGAGAAGG GGAGGTGCTG ACACATACAG TGTGCCAGC 1080  
GTCCTCTCCC CGCGCCGGGC AGCTACCGAA AGGCCCTTG GACCTCCAC AGAGAGAACC 1140  
AGGTCTTTCC AGTTGGCAGT GGAGACTTTT CACCAGCAGC ACCCTCAGGT CATAGATGTG 1200  
GATGAAGTTG AGGAAACAGG AGTTGTTTTC AGCTATAACA CGGATTCCCG CCAGACGTGT 1260  
GCTAACAACA GACACCAGTG CTCGGTGCAC GCAGAGTGCA GGGACTACGC CACGGGCTTC 1320  
TGCTGCAGCT GTGTGCTGCG CTATACGGGC AATGGCAGGC AATGTGTTGC AGAAGGTTCC 1380  
CCCCAGCGAG TCAATGGCAA GGTGAAAGGA AGGATCTTTG TGGGGAGCAG CCAGGTCCCC 1440  
ATTGTCTTTG AGAACACTGA CCTCCACTCT TACGTAGTAA TGAACCACGG GCGCTCCTAC 1500  
ACAGCCATCA GCACCATTCG CGAGACCGTT GGATATCTC TGCTTCCACT GGGCCAGTT 1560  
GGAGGCATCA TTGGATGGAT GTTTGCAGTG GAGCAGGACG GATTCAAGAA TGGGTTTACG 1620  
ATCACCGSGG GTGASTTCAC TCGCCAGGCT GAGGTGACCT TCGTGGGGCA CCCGGGCAAT 1680  
CTGGTCAITA AGCAGCGGTT CAGCGGCATC GATGAGCATG GGCACCTGAC CATCGACACG 1740  
GAGCTGGAGG GCGCGGTGCC GCAGATTCCG TTCGGCTCCT CCGTGCACAT TGAGCCCTAC 1800  
ACGGAGCTGT ACCACTACTC CACCTCAGTG ATCACTTCCT CCTCCACCCG GGAGTACACG 1860  
GTGACTGAGC CCGAGCGAGA TGGGGCATCT CTTTACGCA TCTACACTTA CCACTGGCGC 1920  
CAGACCATCA CCTTCCAGGA ATGCGTCCAC GATGACTCCC GGCCAGCCCT GCCCAGCACC 1980  
CAGACGCTCT CGGTGGACAG CGTGTTCGTC CTGTACAACC AGGAGGAGAA GATCTTGCGC 2040  
TACGCTTTCA GCAACTCCAT TGGGCCTGTG AGGGAAGGCT CCCCTGATGC TCTCAGAAT 2100  
CCCTGCTACA TCGGCACTCA TGGGTGTGAC ACCAACGCGG CCTGTGCCCC TGGTCCCAGG 2160  
ACACAGTTCA CCTGCGAGTG CTCCATCGGC TTCCGAGGAG ACGGGCGAAC CTGCTATGAT 2220  
ATTGATGAAT GTTCAGAACA ACCCTCAGTG TGTGGGAGCC ACACAATCTG CAATAATCAC 2280  
CCAGGAACCT TCCGCTGCGA GTGTGTGGAG GGCTACCAGT TTTTCAATGA GGGAACGTGT 2340  
GTGGCTGTG TGGACCGAGC CCCCATCAAC TACTGTGAAA CTGGCCTTCA TAACTGCGAC 2400  
ATACCCAGC GGGCCCAAGT TATCTACACA GGAGGCTCCT CCTACACCTG TTCCTGCTTG 2460  
CCAGGCTTTT CTGGGGATGG CCAAGCCTGC CAAGATGTAG ATGAATGCCA GCCAAGCCGA 2520  
TGTACCCCTG ACGCCCTCTG CTACAACACT CCAGGCTCTT TCACGTGCCA GTGCAACCT 2580  
GGTTATCAGG GAGACGGCTT CCGTTGCGTG CCCGGAGAGG TGGAGAAAAC CCGGTGCCAG 2640  
CACGAGCGAG AACACATTCT CGGGGCGAGC GGGGCGACAG ACCCAGCCG ACCCATTCCT 2700  
CGGGGGCTGT TCGTTCCTGA GTGCGATGCG CACGGGCAC ACSCGCCCCC CAGTGCCAC 2760  
GGCAGCACCG GCTACTGCTG GTGCGTGGAT CCGGACGGCC GCGAGGTGGA GGGCACCAGG 2820  
ACCAGGCCCC GATGACGCG CCTGTGCTG AGTACAGTGG CTCCCCCGAT TCACCAAGGA 2880  
CCTGCGGTGC CTACCGCCGT GATCCCCCTG CCTCCTGGGA CCCATTTACT CTTTGGCCAG 2940  
ACTGGGAAGA TTGAGCGCCT GCCCCCTGGAG GGAAATACCA TGAGGAAGAC AGAAGCAAG 3000  
GCGTTCCCTC ATGTCCCGGC TAAAGTCATC ATTGGACTGG CTTTGTACTG CGTGGACAAG 3060  
ATGGTTTACT GGACGACAT CACTGAGCCT TCCATTGGGA GAGCTAGTCT ACATGGTGG 3120  
GAGCCAACCA CCATCATTAG ACAAGATCTT GGAAGTCCAG AAGGTATCGC TGTGATCAC 3180  
CTTGGCCGCA ACATCTTCTG GACAGACTCT AACCTGGATC GAATAGAAGT GGCGAAGCTG 3240



104

GACGGCACGC AGCGCCGGGT GCTCTTTGAG ACTGACCTGG TGAATCCCAG AGGCATTGTA 3300  
 ACGGATTCCG TGAGAGGGAA CCTTTACTGG ACAGACTSGA ACAGAGATAA CCCCAGATT 3360  
 GAAACTTCCT ACATGGACGG CACGAACCGG AGSATCCTTG TGCAGGATGA CCTGGGCTTG 3420  
 CCCAATGGAC TGCACCTCGA TCGTCTCTCA TCTCAGCTCT GCTGGGTGGA TGCAGGCACC 3480  
 AATCGGGCGG AATGCCTGAA CCCAGTCAG CCCAGCAGAC GCAAGGCTCT CGAAGGGCTC 3540  
 CAGTATCCTT TTGCTGTGAC GAGCTACGGG AAGAATCTGT ATTTACAGA CTGGAAGATG 3600  
 AATTCCGTGG TTGCTCTCGA TCTTGCAATT TCCAAGGAGA CGGATGCTTT CCAACCCAC 3660  
 AAGCAGACCC GGCTGTATGG CATCACCACG GCCCTGTCTC AGTGTCCGCA AGGCCATAAC 3720  
 TACTGCTCAG TGAACAATGG CGGCTGCACC CACCTATGCT TGGCCACCCC AGGGAGCAGG 3780  
 ACCTGCCGTT GCCCTGACAA CACCTTGGGA GTTGACTGTA TCGAACGGAA ATGAAGACAA 3840  
 GAGTGCCTTA TTTCTTTCC AAGTATTTCA CAGCAACACT CTACTTGAAG CAACTTGGTC 3900  
 CAGATTGAAA AGTGTCTCTT GGCTGAGTGG CCACTAGGCC CAGACCCAGC CCAGCCTGAG 3960  
 CCCCACAAAC AACTTTTCCC TCACTGTTCC CCAAAACATG CACCCTGGAC TTCTCTAATA 4020  
 GAAAAGTCTC CACCCCTACA CAAGGACAGA ACCCTCCACC CCTACCCCCA ACCCTCAGAC 4080  
 AGACTTATAC ACCCCTGAGT GAGGATTACA TGCCCATCCC AGTGTCTTAG GACCTTTTCC 4140  
 CAATACTAGC CCCCCAGTGG TGAACAGAAC CTCCCAAATT TGAGTTGCAC CCTTCCCTGT 4200  
 GGCTTTATGA GCTCAGCCTC GCTTTGAGGT ACCCACCCTC CTGTCAGCTC CTTGACCTAT 4260  
 GAGCTGGGGC CTGACTAGGA AAAGTTGGGA GTTAAGGAGG AAATTAGCAT TCCTTAATGT 4320  
 TTTGTTTTGG TGCTCTGAAT TTCTTCTTTA TTATAGTCTT ATAGTTTAC TCCTCAGTTC 4380  
 CTCACCATCA TCATCTTGTC TAAGACCCCC ATTATAATAT TCATGCGCTG CTTTTTCATC 4440  
 AAAACCTACC CTGTCTTAGA GATCTATGGG CATTTGGTGG ATGATAATGA GCAGCCCCCTC 4500  
 CCAGATAGAA TGTCAATATT TGAGCAGTAG GATATTGGCA TTTGTTAGTT AAAGGCTTAA 4560  
 ATCAAAAGAA TGTCCAATGG TAGGAATTTT AAGGTGTAGG TCAGATATTT GAGAATAGGG 4620  
 GATTTTTTTG ATGTGCCTTA AATTATACCA AAGATTACTA ATTATTCCTC TTTGCCCAA 4680  
 ATACTTGCAI CCAAGGTTCT AGTCTCTGTT GCTGTGCTGG TCTTTAGCCC CACTGCTGGC 4740  
 ACTGATGTCC CTCCTTTTTT ACAGGAGACCT ATCTGAGGTA CAGGATGGGG CTGGCACCAG 4800  
 ATGATGTCCC ACCACAGTCC CTCACCTCCG GCTCCACAT GACAGAACCA ATTTACACTC 4860  
 AACCATGACC TCACCCCTCC TTGTTTTCTC CCTCCCCG 4898

Name: 334 Len: 429 Check: 74D  
 TGTTTTGGAG GCNAGCGGGG CNNGNCNTGT GACAACCTGCC NGTAGACCTG GGGCTGCTGA 60  
 ACCCAGTCCC GATGGCACCA CCGGCCACAC CTACAACCAG TATACACAGA GATACAATCA 120  
 GAGAACAAAC ACTAACGTAA ATTGCCCCAT TGAGTGCTTC ATGCCGCTAG ATGTGCAAGC 180  
 TGACAGAGAC GATTCTCGAG AGTAATCTTT CCAGCCCCAC CCGTACAAGT GTNTNNCTAC 240  
 CAAGGTCAAT CCACACCCCA GTGATGTTAG CAGACCCTCC ATCTTTGAGT GGTCTTTTCA 300  
 CCGTTAAGCC TTTTGCTCTG GAGCCATGTT CTCAGCTTCA GACAATTTAC AGCTTCTCCA 360  
 AGCATCGCCC GTGGATTGTT TTGAGACTTC TCTCCTCAAT GGTGACAGTT GGTACCTGT 420  
 TCTGCTTCA 429

Name: 335 Len: 411 Check: 55  
 CCCACCGACC CATCTGCAAA ATCCCGGAAG AGCCAAGGAG GGGGACACAG GCAGTACCAG 60  
 TGGCACCAGC AGCCACACAG CCCCCTGCCG CCTGTACCT TGTATCTCCC TTCCCCAGG 120  
 GCCTGTGCTT GAACCTGAGG CACTGCACAC CCCCACACTC ATGACCACAC CCTCCCTAAC 180  
 TCCTTTTACC CCCAGCCTGG TCTTCACCTA CCCCAGCACT COTGAGCCTT GTGCCTCAGC 240  
 TCATCGCAAG AGTAGCAGCA GCAGCGGAAG ACCCATCCTC TGACCCCTT GGCTCTCCAA 300  
 CCCTCCTCGC TTTGTGAGGC GCCTGAGCCC TACTCCCTGC AGATGCCACC CTTAGCCAAT 360  
 GTCTCTCTCC CTTCCCCAC CGGTCAGCT GGCCTGGACA GTATCCAGA A 411

Name: 34 Len: 308 Check: 3A1  
 CCGCGAGACG TCGGTGAGGT GGGACTGGTG ACTCTCAGAA GCTCCTCGGT GCACTTTTGT 60  
 CTCGGCAGAC TGGGAGGGAG CAGGCGCTCG CGGAANACCG TCACTTACTG GGTTTGTTC 120  
 CCTGTTTCCA GCAAGTTTTG GTCTTTTGGG CAGAAGCCTG TTGACCAACT GTGGGCCACC 180  
 ACAGTCTTGC ACAGAAAGGT GGCACCCGGA GTGGTTTGTG GCCCTCACTA CCAAAGCCAC 240  
 GGAAGCCCA ATTTCCAGTA GGATTGCCGG TTTTGAATTC TTTTCCCAA AGCNAAATNG 300  
 AGTTTNA 308

Name: 35 Len: 435 Check: 21E  
 AAAAAGCCAT TAATATTCAA ACRAAGGAAT CACATTTTAA AAACCCCTATA CATAAGAAAC 60  
 AGCCTCCAGG AACATTCAAG CAGCAGTCAG GAGGGAAAAA TGTTTCAATA GCCCAGTTTT 120  
 CTTCAAAGTA TGCCAGAGAA TACAATCCAA TTCACTGCTA CAATTCATAG AATTNGTCAG 180  
 TGTTTTCTTG AGACGCTGAG GTTCACTGTT GGCAGTTTCC AAGTGGCCGC ATGTGCTGCT 240  
 CAGAAAGGCC AGCGNAGACN AGCTGCCCCG AAGAACCTTC ACTGCTGGAA AACTGCTCCG 300  
 CTCCCAAGGA AAGCCCAAGG AAGGCTGGGC CGTGGGCTCA CAACTTCATC CTTTCTCCAG 360  
 GGTCATCCAG CTCCACGTCA CTTGAGGTCA ATGTCGTCT CCACAGGGAA GCTCACCATC 420  
 CTTTGCCATC CCAGG 435

Name: 36 Len: 505 Check: 2510  
 CCGGCAACGT ACACCTTTTT TATTAAGGGG CTTCTATTGT GTTCTGAAGT TCCATCTCTG 60



105

TGACAACATT AATATACTTT AAATACCTGG GATGTGGTCT GGTACATACA TGGTGGATGC 120  
 TGTGTGTGTA TTATATATAC TACTATATTA TGAACACCTG AGTCATGGAA GTCCTTGCAA 180  
 AGTGTGCCTT AAAATCCTCA ACCTTTTTAA CTTTCTCAT ACATCGAAGT CAGTATCTTT 240  
 ATGAAGGCCC CCATATTGAA AAAAGTCACC TTGTCTGAG AGGTGTAGC CATCATCATT 300  
 TTCCAGCGGC TGCCATCTTT TATTCTGGGA ACGTTTTCTG GGTCACTGA CATCATTACT 360  
 TTGTACTAAG TTTTCTCGT TGCTTAAAAG GCTGCTCTGT AGCAACAAC GTCTCATCCC 420  
 TTCAAAGCTT TTCCAAGCAG TTTAGCTATT TGAAAAGGGG GCTTCTAAC TTCATCTTTT 480  
 CAAAATAAAC TGCTGGGCAT GCGTT 505

Name: 37 Len: 451 Check: A27  
 TTTTTTTGAC TTTAAATGAT AAACTTTTAT TCTGAATATA CTGTTTTTGC ACAAGATTTA 60  
 ACACAACATT TTCTGGGATT ATAAATATTT TATAACAGTA TTATACAAAT TTTTACAAAA 120  
 TGTTTTTATC AGGCTAGGTA ATTTTCACAA AAGTGTCAAG AGAACAAAAT AAAGGGGAGA 180  
 AAAGATCTAT TGTTACAAA AGCCAGTTGG CCTTTTGCAT GAATGCACAC CATTTTAATA 240  
 AAAGTATTCC TAAAAGCATG ATCCGACACT CATACAACAC AACAAAAAAG ACAGCTTTAC 300  
 TAGGTACAT TATAAACTCA ACTGGCATCT ACACAAGACA GTATCCCAT AGTTTCAGTG 360  
 GAATTTGAGA TAACTTGTGT GAACTAGAAA TAAGGTAGAT GAAGAGTTGT CCAATTCTTC 420  
 NAAAATCTGG AATTTTTTTT CACACTCCAA N 451

Name: 38 Len: 245 Check: CCD  
 GATTTGCCGT CTGTACCCCT TAAGAGCTAC AGCTAGAGAA ACCTTCACGG GGTGGAGAGA 60  
 GGATTCTAAG GCTTTTCTAG CGTGACCCCTT TTCAGTAGTG CTAGTCCCTT TTTTACTTGA 120  
 TCTTAATGGC AAGAAGGCCA CAAAGGTACT TTTCTTTTTT TAGCTCAGGA AATATGTCAG 180  
 GCTCAAACCA CTTCTCAGGC AGTTTAATGG AACTAGTCC ATTGTTACAT GAAGTGATAG 240  
 ATAGC 245

Name: 39 Len: 403 Check: 185  
 AATTCAAAGG TAAATACACT GAGTAAAGAG CTACATTGAG AGTTCTCAGA AGTTATGAAT 60  
 GAAATCTGGG CTAGTGATCA AATCAGAAGT GCCGTCCTTA TCTCATCAAA GCCAGGCTGC 120  
 TTTATTGCGG GTGCTGATAT CAACATGTTA GCCGCTTGCA AGACCCTTCA AGAAGTAACA 180  
 CAGCTATCAC AAGAAGCACA GAGAATAGTT GAGAACTTG AAAAGTCCAC AAAGCCTATT 240  
 GTGGCTGCCA TCAATGGATC CTGCCTGGGA GGAGGACTTG AGGTTGCCAT TTCATGCCAA 300  
 TACAGAATAG CAACAAAACA CAGAAAAACA GTATTAGTA CCTGAAGTT TTGCTGGGGG 360  
 CCTTACCAGG AGCAGGAGGC ACACAAAGGG CTGCCCCAAA TGG 403

Name: 4 Len: 433 Check: 1372  
 GACTCCTTCA CGTCAGGCTC AGGTTCATG GGAGGACGAA GCAGTGGACG CATTGTGGGC 60  
 TTTAGGGACA GATGAGTTTT CCAGATAGTG TCAGCTTATT TGAAGATTAA TTTTCTTTGT 120  
 TAACTTAAAA TAACTATTTT AACCTTTGAG TGGCTTCTTT TTAACCAAA AACCGTCTTT 180  
 CTTTGCTTTT TTATCACAGC AGAATCAGGA TCTCTTTCTC ATTCAAGGGG GGAACCACCC 240  
 CAGGGTCAGC GCTGCGCCTG CTGTGGCCGC CGCCAGCCAC GNCCTCTGGG ATTCTTTTGG 300  
 TACCGTCACT CTTGGCTTGT GCCTTCCACA ACTTCTCGGT TGCAGATCCC TATGGGGGGA 360  
 AGCTTGCCCTC AANGTTCTCT GGAACCTGGT CAGAAGCAAG CGCCTGGGTN GGGTGTTTNC 420  
 CTGGGGCCAA TTT 433

Name: 40 Len: 527 Check: 26AF  
 GGACAATGAC GGCCTCCAGT GTCCTCCTGC AACTGGACA GAAGATGCCT CTGATTGGTC 60  
 TGGGGACATG GAAGAGTGAG CCTGGTCAGG TGAAAGCAGC CATTAAACAT GCCCTTAGCG 120  
 CAGGCTACCG CCACATGAT TGTGCTTCTG TATATGGCAA TGAACTGAG ATTGGGGAGG 180  
 CCCTGAAGGA GAGTGTGGGG TCAGGCAAGG CAGTCCCTCG AGAGGAGCTG TTTGTGACAT 240  
 CCAAGCTGTG GAATACTAAG CACCACCCTG AGGATGTAGA ACCTGCCCTC CGGAAGACAC 300  
 TGGCTGATCT GCAACTGGAG TATTTGGACC TCTATTTGAT GCACTGGCCC TTAATGCCTT 360  
 TGAAGCCGGG GAGACAATCC CCTTTTCCCA AGAAATGCCG AATGGGAAC GTGAGATATG 420  
 ACTCCAACCTC ACTATTAAAG AGACCTGGAA GGCTCTTGGA AGTACTGGTG GCNAAAGGGG 480  
 CTGGTGAAAG CCCTGGGCNT TGTCCAACCT TCAACAGTCG GCAAGAT 527

Name: 41 Len: 449 Check: 516  
 CATAATTGAG AACAGCACAC TGGGAGAAGC AGAGATTGAG CGTGNGGGNG AGTAATCCTG 60  
 AGAGAGATGC AGGAAGTTGA AACCAACTTG CAAGAAGTTG TTTTGTATTA TCTTCATGCG 120  
 ACANCTATCA AAATACTGCA CTTGGACGGA CAATTCTGGG ACCAACTGAA AATATCAAAT 180  
 CTATAAATCG TAAGGACCTA GTGGATTACA TAACCACACA CTACAAGGGA CCAAGAATTG 240  
 TACTGGCTGC CGCCGGAGGT GTTTGCCATA ACGAACTGCT GGAGTTAGCA AAGTTCCATT 300  
 TTGGTGACTC TTTGTGCTCA CACAAAGGGA GCTATACCAG CTCTGCCTCC CTGGCAAGTT 360  
 CACTGGAAGT GAAGATTGCG GGTGAAGGGA TGACCAGGAT GCCCNTTGGG GAACCTTGCG 420  
 AATAACTGGT TTGANCCAAT TTGGTTGGG 449

Name: 42 Len: 411 Check: 19A6  
 TCTTCCTGGC CAATGCGTCT CGGGCGCGCT CAGAGCAGTT CATCAACCTG CGAGAGGTCA 60  
 GCACCCGCTT CCGCCTGCCA CCGGGGAGT ATGTGGTGGT GCCCTCCACC TTCGAGCCCA 120  
 ACAAGGAGGG CGACGTTCTG GCTGCGCTTC ATTCTCAGAG AAGAGTGCTG GGAAGTGGA 180

106

GCTGGATGAC CAGATCCAGG CCAATCTCCC CGATGAGCAA GTGCTCTCAG AAGAGGAGAT 240  
TGACGAGAAC TTCAAGGCC TCTTCAGGCA GCTGGCAGGG GAGGACATGG AGATCAGCGT 300  
GAAGGAGTTG CGGACAATCC TCAATAGGAT CATCAGCAAA CACAAAGACC TGCGGACCAA 360  
GGGCTTCAGC TAAGAGTCGT GCCGCAGCAT GGGTGAACCT CATGGATCGT T 411  
Name: 43 Len: 455 Check: 1D9D  
TTCTCATTA CAACTCCCAC GGTGGGAAGA CAGTTTATCA CTTAGTCTTA TACTTTTGGG 60  
CAGCTCACTT CTGCACAATT GAGATACATT TGAAGAGTAG TCTGTTTGCA ATCTGTCTATA 120  
TTTTAATCCA CAAACAAGGA GAACTCCCTA AATTGAACTT GTCTAAATCC AGCTTTCTCTC 180  
AACCTCCTTC CTAAGACTTA GACAAATTAG TCATTGAGAG CATCTCCTGA TTAAATGTTC 240  
CCTAGAAGCA GAGCCATCAA CAGAGCTGGT GTCACCTGAA CAAGAATGGG AGGTTCCTCAA 300  
GGGAATACTT TCGAGCTTCA TGCAAAGTCT AACTCAGGAG GGAACAGGCC TCCCTCCTGG 360  
CTGAAGAGAT GCTCCTTATC CTGGACAGCA ATCAGCTGGC TCTCCTTAAG AAATGGGTGG 420  
ETCAAAGGGC NACATGAGCT CATGAAATGT TCACT 455  
Name: 44 Len: 312 Check: 7C1  
CTCACNTGTA GNAGATATGG AGCGGAGAGA CGTTGACTTT GAGCTTATCA AAGTAGAAGG 60  
CAAAGTGGGC GGCAGGCTGG AGGACACTAA ACTGATTAAG GCGGTGATTG TGGACAAGGA 120  
TTTCAGTCAC CCACAGATGC CAAAAAAGT GGAAGATGCG AAGATTGCAA TTCTCATATG 180  
TCCATTTGAA CCACCCAAAC CAAAAACAAA GCATAAGCTG GATGTGACCT CTGTGGAAGA 240  
TTATAAGCC CTTCAGAAAT ACCGAAAAGG AGAAATTTGA AGAGATGATT CAACAAATTA 300  
AAGAGACTGG TT 312  
Name: 45 Len: 600 Check: 1915  
TCCGGAGCGC ACGTCGGCAG TCGGCTCCCT CGTTGACCGA ATCACCAGACC TCTCTCCCCA 60  
GCTGTATTTT CAAAATGTCT CTTTCTAACA AGCTGACGCT GGACAAGCTG GACGTTAAAG 120  
GGAAGCGGGT CGTTATGAGA GTCGACTTCA ATGTTCCCTAT GAAGAACAAC CAGATAACAA 180  
ACAACCAGAG GATTAAGGCT GCTGTCCCAA GCATCAAATT CTGCTTGGAC AATGGAGCCA 240  
AGTCGGTAGT CCTTATGAGC CACCTAGGCC GGCCTGATGG TGTGCCCCATG CCTGACAAGT 300  
ACTCCTTAGA GCCAGTTGCT GTAGAACTCA AATCTCTGCT GGGCAAGGAT GTTCTGTTCT 360  
TGAAGGACTG TGTAGGCCCA GAAGTGGAGA AAGCCTGTGC CAACCCAGCT GCTGGGTCTG 420  
TCATCCTGCT GGAGAACCTC CGCTTTTCATG TGGAGGAAGA AGGGAAGGGA AAAGATGCTT 480  
CTGGGAACAA GGTAAAGCC GAGCCAGCCA AAATAGAAGC TTTCCGAGCT TCACTTTCCA 540  
AGCTAGGGGA TGTCTATGTC AATGATGCTT TTGCACTGTC ACAGAGCCAC AGCTCCATGG 600  
Name: 46 Len: 593 Check: 154B  
TTATGCCAAA AATGGAGAAC TACTTAAATA TATTGCAAAA ATCGGTTTCAT TCGATGAGAC 60  
CTGTACCCGA TTTTACACGG CTGAGATTGT GTCTGCTTTA GAGTACTTGC ACGGCAAGGG 120  
CATCATTGAN AGGGACCTTA AACC GGAAAA CATTTTGTTA AATGAAGATA TGCACATCCA 180  
GATCACAGAT TTTGGAACAG CAAAAGTCTT ATCCCCAGAG AGCAAACAAG CCAGGGCCAA 240  
CTCATTCGTG GGAACAGCGC AGTACGTTTC TCCAGAGCTG CTCACGGAGA AGTCCGCCTG 300  
TAAGAGTTCA GACCTTTGGG CTCTTGGATG CATAATATAC CAGCTTGTGG CAGGACTCCC 360  
ACCATTCGGA GCTGGAACG AGTATCTTAT ATTTGAGAAG ATCATTAAGT TGGAAATATGA 420  
CTTTCCAGAA AAATTCTTCC CTAAGGCAAG AGACCTCGTG GAGAACTTT TGGTTTTAGA 480  
TGCCACANAG CGGTAGGCT GTGAGGAAAT GGNAGGATAC GGACCTCTTA AAGCACNCCC 540  
GTNCTTCGAG TCCGTCACGT GGGAGANCTG CACCAGCGAC GCCTCCGAAG CTCACCGT 593  
Name: 47 Len: 485 Check: 2256  
AAATTCAGAA AGGAGTATTT GAGGTGAAAT CCACAAATGG GGATACCTTC TTAGGTGGGG 60  
AAGACTTTGA CCAGGCCTTG CTACGGCACA TTGTGAAGGA GTTCAAGAGA GAGACAGGGG 120  
TTGATTTGAC TAAAGACAAC ATGGCACTTC AGAGGGTACG GGAAGCTGCT GAAAAGGCTA 180  
AATGTGAAT CTCTCATCT GTGCAGACTG ACATCAATTT GCCCTATCTT ACAATGGATT 240  
CTTCTGGACC CAAGCATTG AATATGAAGT TGACCCNGTG CTCAATTTGA AGGGATTGTC 300  
ACTGATCTAA TCAGAAGGAC TATCGCTCCA TGCCAAAAAG CTATGCAAGA TGCAGAAGTC 360  
AGCAAGAGTG ACATAGGAGA AGTGATTCTT GTGGGTGGCA TGACTAGGAT GCCCAAGGTT 420  
CAGCAGACTG TACAGGATCT TTTTGGCAGA CCCCAGTAA AGCTGTCAAT CCTGATGANG 480  
CTGNG 485  
Name: 48 Len: 293 Check: 744  
AAAGAAATGA ATTGCAGCAG ACTATTAATA AATTAACCAA GGACCCTGGA AGCTGAACAA 60  
CAGAAGTTGT GGAATGAGGA GTTAAATAT GCCAGAGNAN NGAAGCGATT GAAACACAAT 120  
TAGCAGAGTA TCACAAATTG GCTAGAAAA TAAACTTAT TCCCTAAAGG TGCTGAGAA 180  
TCCAAAGGTT ATGACTTTGA AATTAAGTTT AATCCCCGAG GCTGGTGCAA CTTGCCTTGT 240  
CAAATACAGG GCNCAAGNTT TATGTACCC CTTAAGGAAC NCCCGAATGG AAA 293  
Name: 49 Len: 632 Check: A95  
GGCACAGAAT CAAAAGTTTC TGTGGGAATT TTAATATATA AACTTGAAAT GTATCCACCA 60  
CTCAATCAAA CGTTATCTCA AGAAGTAGTG AACACACAGC TTGCTTTGGA ACGTCAGAAA 120  
ACTGCAGAGA AAGAGCGATT ATTTCTTGTA TATGCTAAGC AGTGGTGGAG AGAATATTG 180  
CAAATTCGAC CCTCACACAA CTCACGACTG GTTAAGATTT TTGCACAGGA TGAAATGGG 240

107

ATAAATAGAC CAGTCTGTTC CTATGTTAAA CCACTTCGAG CTGGACGGCT TCTTGATACT 300  
 CCAAGGCAAG CAGCAAGATT TGTTAATGTC CTTGGTTATG AACGAGCCCC TGTTATTGGA 360  
 GGAGGAGGTA AACAGGAGCA GTGGTGCAC CTGCTGGCCT TTCTCTGTAG AAACAAGGGT 420  
 GACTGTGAAG ATCAGGCTAA CCTTCTGTGC AGCCTTCTTC TTGGATATGG ATTAGAAGCC 480  
 TTTGTTTGTG TTGGGACCAA GGCAAAAGGA GTACCTCATG CATGGGTTAT GACTTGTGGA 540  
 ACTGATGGGG GCATCACTTT TGGGAGAGTT TANAGGACCC AGTACCTCCC TAAACCTACN 600  
 AATCCCGATG AACCTCCANT GCTGAACAGN CC 632

Name: 5 Len: 603 Check: 1CFB  
 AGGACGACCT CCACITCATA NAAAACGAGT AGAAGATGAG AGTCTGGATA ACACATGGCT 60  
 AAACAGGACT GACACCATGA TTCAGACTCC TGGCCCCCTG CCAGCACCAC AACTCACATC 120  
 CACTGTACTG CEGGAGAACA GTCGGCCCAT GGGAGACCAG ATTCAAGAAC CTGAGTCTGA 180  
 ACATGGTTCT GAACAGACT TTTTACACAA TCCTCAGATG CAGATCTCTT GGTTAGGCCA 240  
 GCCGAAGTA GAAGACTTAA ATCGGAAGGA CAGAACAGGA ATGAACATCA TGAAAGTGAG 300  
 AACTGGAGTG AGGCATGCTG TTCGGGGTCT AATGGAGGNA GATGCTGAGC CCATCTTTGA 360  
 AGATGTGATG ATGTCATCCC GAAGCCAGTT AGAAGATATG AATGGAAGAA TTTGGAGGAC 420  
 ACCATGGGTT ATTGATCTGC CTCCCATCAA GAAATCGGCG AGANGAGAGC TGAGCTAAGG 480  
 CCCAGACTTC CTTTGACTCT GCCANTTATC CATNGGAGNT GGATTCANGG ATTTGGGAAT 540  
 GCCCTATGGT TCCTGAAGTN CTGGGAGGAA ATTTTCCAAA CCTNGGACCC CTATTAATTT 600  
 TGG 603

Name: 50 Len: 582 Check: 181  
 CCAAGCCATC CAAAATCCCC AAGCCCCCGA AGCCCCCTAA GCCCCCAAGG CCCCCCAAAA 60  
 CGCTGAAGCT CAAAGATGGA GGCAAGAAGA AAGGGAAGAA GTCCCGGGAG TCAGCCTCAC 120  
 CCACCATCCC CAACCTGGAC CTGCTCGAAG CCCACACCAA GGAGGCACTG ACCAAGATGG 180  
 AGCCGCCCAA GAAGGGCAAG GCCACAAAGA GTGTCTTGAG TGTGCCCAAC AAAGATGTGG 240  
 TTCACATGCA GAATGATGTG GAGAGGCTGG AAATTCGAGA GCAAACCAAG AGCAAGTCAG 300  
 AGGCCAAGTG GAAGTACAAG AACAGCAAAC CTGACTCCTT ACTGAAGATG GAAGAGGAGC 360  
 AGAAGCTAGA GAAGTCGCCT CTAGCTGGAA ACAAGACAA TAAGTTCTCT TTTTCTTTCT 420  
 CCAACAAGAA ACTCCTCGGC TCCAAGGCTC TCAGGCCCCC GACGAGCCCT GGTGTGTTCTG 480  
 GGGCCTTGCA GAACTTCAAG GAGGACAAGC CCAAGCTCGT GCGGGATGAG TATGAGTACG 540  
 TGTCGGATGA CGGTGAGCTT CAGATCGACG AGTTTCCCAT CC 582

Name: 51 Len: 523 Check: 1E87  
 GGTGAGCTGC GACGTGACTG GCTAGCTGCG TGGGTACTGG AACRAAGCAA CGAGGCAGCG 60  
 AGCGAAGGAC GGGAGCCGGA CCCTGGGCCC CGTGGAATC CAGCCTGCGC CACCACGTCA 120  
 CGCACACGCT CGGCGCTGCG ATCCGCGCAT ATAACGATAT TTGGATTGA CCTGCATTTT 180  
 GGAATTTATC TACACTTAAA ATGCCACCAG CAGTTGGAGG TCCAGTTGGA TACACCCCCC 240  
 CAGATGGAGG CTGGGGCTGG GCAGTGGTAA TTGGAGCTTT CATTTCCATC GGCTTCTCTT 300  
 ATGCATTTCC CAAATCAATT ACTGTCTTCT TCAAAGAGAT TGAAGGTATA TTCCATGCCA 360  
 CCACCAGCGA AGTGTCTATG AATATCCTCC ATAATGTTGG CTGTCATGTA TGGTGGAGGT 420  
 CCTATCAGCA GTATCCTGGT GAATAAATAT GGAAGTCGTA TAGTCATGAT TGTGTTGGG 480  
 TGCTTGTCAG GCTGTGGCTT GAATTGCAGC TTCNTTCTGT AAN 523

Name: 52 Len: 348 Check: 1165  
 GCANGCGCAA NTACC3GCGC TCGCCAAGGA CCCTGGAAGC TACC GTTACC CCGCCGGCAG 60  
 CGTGGGNCNA TGAGCAGCTC GGGACTGAAT TCGGAGAAGG TAGCTGCTCT GATACAGAAA 120  
 CTGAATTCCG ACCCCCAGTT CGTACTTGCC CAGAAATGTC GGACCACCCA CGACCTGCTG 180  
 GACATCTGTC TGAAGCGGGC CACGGTGCAG CGCGCGCANA TGGTGTTCCT GCACGCCGTG 240  
 CCCCAGGAGG GAAAGCCAAAT CACCAACCAG AAGAGCTCAG GGCGATGCTG GATCTTTTCT 300  
 TGCTGAATG TTATGAGGCT TCCATTCTATG AAAAGTTAA ATATTGAA 348

Name: 53 Len: 355 Check: 1808  
 GGCGGCGNCG GCGGCGTANT ANGNAGGGTG CACAGAGAAC ACCCCTAGCA TGAACAGTGT 60  
 GAGGATTCCA CCAGCTTTTT CACCATGAAG GAGACAGACC GGGAGCCGTT GCGACANAGG 120  
 TGCAAGGGGT TGCTGGGATG CTCCAGCGCC CGGACCAGCT GGACAAGGTG GAGCAGTATC 180  
 GCAGGAGAGA AGCGCGGAAG AAGGCCTCCG TGGACANGAA TTTGAAGAGA GCGGATCTGA 240  
 AAGCTCAGGT GCCCGATTCT GTCCTGTGGG TCAGCCGTCC TGGGGCCAAG TTGTGGTGCT 300  
 GGCTGAACAG CAGGAACCTC CCGCCCCCAA AGCCAGTTGA AGTTCCTGAC CGTTC 355

Name: 54 Len: 330 Check: 2652  
 AACNATGCNG TTTTCTCCTT CTACACACTT GGGCGTCATG TCTGGAGCTG CAGAGGAGGT 60  
 GGCCACTGGA GCAGAGGTGG TGGATCTGCT GGTGGCCATG TGTAGGGCAG CTTAGAGTC 120  
 CCCTAGPAAAG AGCATCATCT TTGAGCCTTA TCCCTCTGTG GTGGACCCCA CTGATCCCAA 180  
 GACTCTGGCC TTTAACCCTA AGAAGAAGAA TTATGAAGCG GCTTCAGAAA GCTCTGGGAT 240  
 AGTGTGATGT CTATTCCGGG AGATGACCCA GGGCTCATAA TTTGGAAATC AAGAAACAGA 300  
 TGGACAAAGT TTGGATCCCC CTGGGCCCAT 330

Name: 55 Len: 451 Check: 1D60  
 TCNGACAGAA AAGCTGTACG TTATATGTTG GAAATCTTTC TTTTACACA ACTGAAGAAC 60

108

AAATCTATGA ACTCTTCAGC AAAAGTGGTG ACATAAAGAA AATCATTATG GGTCTGGATA 120  
 AAATGAAGAA AACAGCATGT GGATTCTGTT TTGTGGAATA TTAATCAGC GCAGATGCGG 180  
 AAAACGCCAT GCGGTACATA AATGGGACGC GTCTGGATGA CCGAATCATT CGCACAGACT 240  
 GGGACGCGAG CTTTAAGGAG GGCAGGCAAT ACGGCCGTGG NGAATCTGGG GGCCAGGTTT 300  
 CGGGATGAAG TATCCGGCAG GACTACCGAT GCTGGGAAGA GGAGGCTAAT GGGAAAACGT 360  
 GCACAGAACC AGTGAGTGGT TGAGAGCTCT GTCAGTGACA AACACTCCTT TGGCCTGTTT 420  
 GAATTTGCTG AAGAACATCA CCTAAAGTCG G 451

Name: 56 Len: 355 Check: 1FCB  
 GGATGTGGAG TGATGGGAAC GGTTACATA CTGACTGTGG ATCTCAAGTA TACCATTGAA 60  
 AAAAAAGGC ACTTTGTGGA CTCACACCAC CAGAAGCCTG TTAATGCTAT CATCGAGCAT 120  
 GTGCGGGAGC GCAGTGTGGT CAGGGCCCTG CTCCTCCAG ATTACTACCT GGTTACAGTC 180  
 ATGCTGTGAG GCATCAAGTG CCCAATTTT CGACGGGAAG CAGATGGCAG TGAAACTCCA 240  
 GAGCCTTTTG CTGCAGAAGC CAAATTTTTC ACTGAGTCGC GACTGCTTCA GAGAGATGTT 300  
 CAGATCATTG TGGAGAGCTG CCACAACCAG AACATTCTGG GTACCATCCT TCATC 355

Name: 57 Len: 468 Check: 291  
 TTGTTCTGGA TTCCCGTCGT AACTTAAAGG GAAATTTTCA CAATGTCCGG AGCCCTTGAT 60  
 GTCCTGCAAA TGAAGGAGGA GGATGTCTT AAGTTCCTG CAGCAGGAAC CCACCTTAGGT 120  
 GGCACCAATC TTGACTTCCA GATGGAACAG TACATCTATA AAAGGAAAAG TGATGGCATC 180  
 TATATCATAA ATCTCAAGAG GACCTGGGAG AAGCTTCTGC TGGCAGCTCG TGCAATTGTT 240  
 GCCATTGAAA ACCCTGCTGA TGTCAGTGT ATATCCTCCA GGAATACTGG CCAGAGGGGT 300  
 GTGCTGAAGT TTGCTGCTGC CACTGGAGCC ACTCCAATTG CTGGCCGCTT CACTCCTGGA 360  
 ACCTTCACTA ACCAGATCCA GGCAGCCTTC CGGGAGCCAC GGCTTCTTGT GGTTACTGAC 420  
 CCAGGCTGA CCACAGCTCT CAAGGGGCAT CTTATGTTAC CTACCTAC 468

Name: 58 Len: 394 Check: E20  
 ACAGTGTGCC TTCAGCCCCG GAGCTCGGAC TCGGCTCAGA CTCGGTCTT TTGTTTCCTG 60  
 GAAGTGGCA CGGGGACTCA GGCGGCCAGG GTCGAGGGCC AGGTCCAAG TCACAGAGCT 120  
 TTGGAGGTCA CCTGTAGGCG GTGCGAGGGA CGGCGTTGAG ACAGGAACTC CTTGGGTGGA 180  
 CAATGAGCAG GGTGGGAGAC AGGGGCTGG GATGGGGGAC TCCAGAGGTC AGGGGTGCTT 240  
 GGGTTGGAGG GGAGGGGACT CACGGCTCCC AAGCAGGTTT TTAGAACGTT TGTCATGTA 300  
 AAGGCAGATG TTGGACTGTA CCAGGCTCTG CTCAGAGACC ACCTGCTCCC GACACTCAA 360  
 CGCAGACCTG GGGATCTCGG CAGGTATGAA CTGC 394

Name: 59 Len: 296 Check: 10B1  
 GCCAGGCGTA CTGACAGGTG GACCAGCGGA CTGGTGGAGA TGGCGACGCT CTCTCTGACC 60  
 GTGAATTCAG GAGACCCTCC GCTAGGAGCT TTGCTGGCAG TAGAACACGT GAAAGACGAT 120  
 GTGACGATTT CCGTTGAAGA AGGGAAAGAG AATATTCTTC ATGTTTCTGA AAATGTGATA 180  
 TTCACAGATG TGAATTCTAT ACTTCGCTAC TTGGCTAGAG TTGCAACTAC AGCTGGGGTA 240  
 TATGGCTCTA ATCTGATGGA CCATACTTTA GATTGATCAC TTGGTTGGTA GGTTTA 296

Name: 6 Len: 573 Check: EDF  
 GCGACNCGCC GAGCCTCGTC AGCCTGCGCA GCCCCTCACA GGAGGCCCAG CCCGAGTGCA 60  
 GTCCAGAAGC CCCCCAGCG GAGGCGNCAG AGTAAAAGAG CAAGCTTTTG TGAGATAATC 120  
 GAAGAACTTT TCTCCCCCGT TTGTTTGTG GAGTGGTGCC AGGTACTGGT TTTGGAGAAC 180  
 TTGTCTACAA CCAGGGATTG ATTTTAAAGA TGCTTTTTC TATTTTACTT TTTTTTAAGC 240  
 ACCAAATTTT GTTGTTTTTT TTTTTCCTCC CCTCCCCACA GATCCCATCT CAAATCATTG 300  
 TGTTAAACCAC CATTCCAACA GGTGAGGAG AGCTTAAACA CCTTCTTCTT CTGCCTTGTT 360  
 TCTCTTTTAT TTTTATTTT TTGCGATCAG TATTAATGTT TTTTGCATAC TTTGCATCTT 420  
 TATTCAAAAG TGTAACCTTT CTTTGGTCNA ATCTATGGGA CATGGCCCAT ATATGGAAGG 480  
 AGATGGGGTG GGGTCAAAAA GGGGATATCA AATGAAAGTG GATAGGGGGC CACAATGGGG 540  
 GAAATTGAAG TGGGGGNATA ACATGGCCAA AAT 573

Name: 60 Len: 426 Check: BE0  
 CGGGACTCCC GGAAGTGGGA CCGGCAGAAG AGGGGGCTAG CTAGCTAGTC TGTGCGGACC 60  
 AGGGAGACCC CCGCGCCCCC CCGGTGTGAG GCGGCCTCAC AGGGCCGGGT GGGCTGGCGA 120  
 GCGACGCGCG CGCAGGAGGC TGTGAGGAGT GTGTGGAACA GGACCCGGGA CAGAGGAACC 180  
 ATGGCTCCGC AGAACCTGAG CACCTTTTGC CTGTTGCTGC TATACCTCAT CGGGCGGGTG 240  
 ATTGCCGGAC GAGATTTCTA TAAGATCTTA GGGGTGCCTC GAAGTGCTC TATAAAGGAT 300  
 ATTAAPAAAG CCTATAGGAA ACTAGCCCTG CAGCTTCATC CCGACCGGAA CCTGATGAT 360  
 CCACAAGCCC AGGAGAAATT CCAGGATCTG GGTGCTGCTT ATGAGGTTCT GTCAGATAGT 420  
 GAGAAC 426

Name: 61 Len: 461 Check: 1AA2  
 CGCTTCTGTT ACAAGGGCGA GGGGCTGAAC AAGATCAGCC ATCGGGGACT ACCTGGGGGA 60  
 GAGGGAAGAA CTGAACCTGG CAGTGCTCCA TGCTTTTGTG GATCTGCATG AGTTCACCGA 120  
 CCTCAATCTG GTGCAGGCCC TCAGGCAGTT TCTATGGAGC TTTGCGCTAC CCGGAGAGGC 180  
 CCAGAAAATT GACCGGATGA TGGAGGCCTT CGCCACAGCA TACTGCCTGT GCAACCCTGG 240  
 GGTTTTCCAG TCCACAGACA CGTGCTATGT GCTGTCTTTC GCCGTATCA TGCTCAACAC 300

109

CAGTCTCCAC AATCCCAATG TCCGGGACAA GCCGGGCGTG GAGCGCTTTG TGGCCATGAA 360  
 CCGGGGCATC AACGAGGGCG GSGACCTGCC TGAGGAGCTG CTCAGGAACC TGTACGACAG 420  
 CATCCGAAAT GAGCCCTTCA AGATTCTCTGA GGATGACGGG A 461

Name: 62

Len: 422 Check: 21C3

ATCAACAAGG AGATGCTAAA GGTGGGAAAG CAGAAAGCCT TGGTCAAGGA TACAGAGCTG 60  
 GACTTGCCATG GGTATTAGGA GATGCTGAAG AACTGCCCTT TGATGATGAC AAGTTTGATA 120  
 TTTACACCAT TGCCTTTGGG ATCCGGGAATG TCACACACAT TGATCAGGCA CTCCAGGAAG 180  
 CTCATCGGGT GCTGAAACCA GGAGGACGGT TTCTCTGTCT GGAATTTAGC CAAGTGAACA 240  
 ATCCCTCAT ATCCAGGCTT TATGATCTAT ATAGCTTCCA GGTCTATCCCT GTCCTGGGAG 300  
 AGGTCTATCGC TGGAGACTGG AAGCCTATCA GTACCTTGTA GAGAGTATCC GAAGTTTCCG 360  
 TCTCAGGAAG AGTTCAAGGA CATGATAGAA GATGCAGGCT TTCACAAGGT GACTTACGAA 420

AG

Name: 63

Len: 280 Check: C60

AGAAGTAGAG CAGAAGAAGA AGCGGACCTT CCGCAAGTTC ACCTACCGCG GCGTGGACCT 60  
 CGACCAGCTG CTGGACATGT CCTACGAGCA GCTGATGCAG CTGTACAGTG CGCGCCAGGC 120  
 GCGGCTGAA CCGGGGCGCT CCGCGGAAGC AGCACTCCCT GCTGAAGCGC CTGCGCAAGG 180  
 CCAAGAAGGA GCGCGCGCCC ATGGAGAAGC CGGAAGTGGT GAAGACGAC CTTCGGGACA 240  
 TGATCATCCT ACCCGAGATG GTGGGCAGCA TGGTGGGCGT 280

Name: 64

Len: 408 Check: A6C

CTGGGAGATG AAACAGAGGA AGAAGAAACA AAGCCCATG AGCTCCCTGT CAAAGAGGAA 60  
 GAACCCCTG AAAAACTGT TGATGTGGCA GCAGAGAAGA AAGTGGTGAA AATTACATCT 120  
 GAAATACCAC AGACTGAGAG AATGCAGAAG AGGGCTGAAC GATTCANTGT ACCTNTGAGC 180  
 TTGGAGAGTA AGAAAGCTGC TCGGGCAGCT AGGTTTGGGA TTTCTTCAGT TCCAACAAA 240  
 GGTCTGTCTAT CTGATAACAA ACCTATGGTT AACTTGGGAT AAGCTGAAGG AAAGAGCTCC 300  
 AAAGATTTGG TTTGAATGTC TCTTCAATCT CCAGAAAGTC TTGAAGATGA TGAGGAACT 360  
 GAAAAAGAGG GAAGGAGCGA TTTGGGGATT GTCACAAGTT CAGCTGGA 408

Name: 65

Len: 463 Check: 10CC

AGCCGCTGGG GCGAGGACGG CGCGAGGCTG CTGCTGCTGC CCCC GGCCCG GCGGGCTGGA 60  
 AACGGAGAGG CCGAGCCAAG CGCGGGCCCC TCTTATGCTG GGAGGATGCT GGAGAGTAGC 120  
 GGCTGCAAG GCTGAAGGAG GGCGTGCTGG AGAAGCGCAG ACNGGGTTGT TGCAGCTCTG 180  
 GAAGAAAAG TGTTCATCC TCACCGAGGA AGGGCTGCTG CTTATCCCGC CCAAGCAGCT 240  
 GCAACACCAG CAGCAGCAGC AACAGCAGCA GCAGCAGCAG CAACAACAGC CCGGGCAGG 300  
 GCCGGCCGAG CCGTCCCAAC CCAAGTGGCC CGCTGTGCGC AGCCTCGAGC CGCCGGTCAA 360  
 GCTCAAGGAA CTGCACTTCT CCAACATGAA GACCGTGGAC TGTGTGGAGC GCAAGGGCAA 420  
 GTACATGTAC TTTACTGTGG TGATGGCAGA GGGCAAGGAG ATC 463

Name: 66

Len: 512 Check: 111A

CGCGCCAAGG GACGTGTTTC TGCGCTCGCG TGGTCAAGGA GGCGCTGCCG CTGCTAGCCG 60  
 CGACAACCTC GGACCACGGC CGCCACCGAA GCTGCTTCTG CTGCCGCTAC TGCTGTTCCT 120  
 GCTGCCGGCT GGAGCTGTGC AGGGCTGGGA GACAGAGGAG AGGCCCCGGA CTCGCGAAGA 180  
 GGAGTGCCAC TTCTACGCGG GTGGACAAGT GTACCCGGGA GAGGCATCCC GGGTATCCGT 240  
 CGCCGACCAC TCCCTGCACC TAAGCAAAGC GAAGATTTCC AAGCCAGCGC CCTACTGGGA 300  
 AGGAACAGCT GTGATCGATG GAGAATTTAA GGAGCTGAAG TTAAGTGAAT ATCGTGGGAA 360  
 ATACTTGGTT TTCTTCTTCT ACCCACTTGA TTTACATTT GTGTGTCCAA CTGAAATTAT 420  
 CGCTTTTGGC GACAGACTTG AAGAATTACG ATCTATAAAT ACTGAAGTGG TAGCATGCTC 480  
 TGTGTATTCA CAGTTTACCC ATTTGGCTGG GA 512

Name: 67

Len: 367 Check: 9A2

GGAGAGCAAC ATTAGGATCT ACAGCGAGAG GCCCCCTCCT GGCTGAGCAA AGATGACATC 60  
 CGAAGAATGC GACTCTTGGC GGACAGCGCA GTGGNCAGGG CTCCGGCCTG TGTCTCTAG 120  
 GAGCGGAGCC GTTGTCTGGT GCTGGAGGGG GGCGCACCTG GCGCTGTGCT CCGCTGTGGC 180  
 CCTAGCCCTT GTGGGCTTCT CAAGCAGCCC TTGGACATGA GTGAGGTGTT TGCCTTCCAC 240  
 CTAGACAGGA TCCTGGGGCT CAACAGGACC CTGCCGCTG TGAGCAGGAA AGCAGAGTTC 300  
 ATCCAAGATG GCCGNCCATG CCCCATCAIT CTTTGGGATG CATCTTTATC TTCAGCAAGT 360

Name: 68

Len: 402 Check: 190D

TGCAGATGTA GATCCTGAAA ACCAGAACTT TTTACTTGAA TCGAATTTGG GGAAGAAGAA 60  
 GTATGAAACA GAATTTATC CAGGTACTAC TTTCTTTGGA ATGTCAATAT TTAATCTGAG 120  
 CAATGCGATT GTGGGCACTG GAATCCTTGG GCTTTCTTAT GCCATGGCTA ATACTGGAAT 180  
 TGCTCTTTTT ATAATTCTCT TGACATTTGT GTCAATATTT TCCCTGTATT CTGTTCACT 240  
 CCTTTTGAAG ACTGCCAATG AAGGAGGGTC TTTATTATAT GAACAATTGG GATATAAGGC 300  
 ATTTGGATTA GTTGGAAAGC TTGCAGCATC TGGATCAAT ACAATGCAGA ACATTGGAGC 360  
 TATGTCAAGC TACCTCTTCA TAGTGAATA TGAGTTGCCT TT 402

Name: 69

Len: 545 Check: 240C

GCGGCGTGCG GCACGTNNCA GGGCTGAAGC GGCGGCGCG GTGGGGNCTG CACGTAGCCC 60

410

GGCGCTCGGC ATGGCTCTCC TGGTGTCTCGG TCTGGTGAGC TGTACCTTCT TTCTGGCAGT 120  
 GAATGGTCTG TATTCCTCTA GTGATGATGT GATCGAATTA ACTCCATCAA ATTTCAACCG 190  
 AGAAGTTATT CAGAGTGATA GTTTGTGGCT TGTAGAATTC TATGCTCCAT GGTGTGGTCA 240  
 CTGTCAAAGA TTAACACCAG AATGGAAGAA AGCAGCAACT GCATTAAAAG ATGTTGTCAA 300  
 AGTTGGTGCA GTTGATGCAG ATAAGCATCA TTCCCTAGGA GGTCAGTATG GTGTTGAGGG 360  
 ATTTCTTACC ATTAAGATTT TTGGATCCAA CAAAAACAGA CCAGAAGATT ACCAAGGTGG 420  
 CAGAACTGGT GAAGCCATTG TAGATGCTGC GCTGAGTGCT CTGCGCCANT CGTGAAGGAT 480  
 CGCTCGGGGG ACGAAGCGGA GGATACAGTT CTGGAAAAACA AGGCAGAAGT GATAGTTCAA 540  
 GTAAG 545

Name: 7 Len: 487 Check: 1EFO  
 TAAGGGTTTC TCTACTATGT CCACTTGGTA AAATGCGGCT GACAATTCCG TGTCGGGGCCC 60  
 TTACATGTTT TCATCTACAA TGTITTTGACG CAACTCTTTA CATTGAGATG AATGAGAAAA 120  
 AACCAACCTG GGTITGTCTT GTCTGTGATA AGAAGGCTCC ATATGACAC CTTATTATTG 180  
 ATGGCTTGTG TATGGAAATC CTAAAGTACT GTACAGACTG TGATGAAATA CAATTTAAGG 240  
 AGGATGGCAC TTGGGCACCG ATGAGATCAA AAAAGGAAGT ACAGGAAGTT TCTGCCTCTT 300  
 ACAATGGAGT CGATGGATGC TTGAGCTCCA CATTGGAGCA TCAGGTAGCG TCTCACCACC 360  
 AGTCTCTCAA TAAAAACAAG AAAGTAGAAG TGATTGACCT AACCATAGAC AGTTTCTCTG 420  
 ATGAAGAGGA AGAAGAGCCA TCTGCCAAGA GGACCTGTCC TTCCCTATCT CCCACATCNA 480  
 CCACTAG 487

Name: 70 Len: 359 Check: 19B0  
 GCCTACTGCA CCGCCGACCA CAACGTGAGC CCAACATCT TCGCCTGGGT CTACAGGGAG 60  
 ATCAATGATG ACCTGTCTTA CCAGATGGAC TGCCACGCCG TGNAGTGCGA GAGCAAGCTC 120  
 GAGGCCAAGA AACTGGCCCC CGCCATGATG GAGGCCTTCA GGAAGACTTT CCACAGTATG 180  
 AAGAGCGACG GCGGATCCA CAGCAACAGC TCCTCCGAAG AGGTTTCCCA GGAATTGGAA 240  
 TCCGATGATG GCTGAATGAA CTTTNAGACG CTTNAGCAAA GGCAGCATTG GTCACGGGGT 300  
 TCAAGGGAAT TAGATTGAGT AAGCAACGTT TCAAATTTGG GATGAAAGAT TTCCAAATT 359

Name: 71 Len: 392 Check: 1BC4  
 CTATGTNGCA ATTCCAAGAC CAAGTCAGTA GTATTACAGC TGGCTGATGG CCAGATATTT 60  
 AAGTACCTTT GSGAGTCACC TTCTCTGGCT ATTAACCCTT GGATGAACTC TGGTGGATTT 120  
 CCTGTTCGGT TTCCTTATCC ATGCACCCAG ACCGAATTGG CCATGATTGG AGAAGAGGAA 180  
 TGINTCCTTG GTCTGACTGA CAGGTGTGCG TTTTTCATCA ATGACATTGA GGTGTGCTCA 240  
 AATATCACGT CATTTGCAGT ATATGATGAG TTTTATTTGT TGACAACCCA TTCCCATACC 300  
 TGCCANTGTT TTTGCTTGAG GGATGCTTCA TTTAAACAT TACAGGCCGG CCTGAGCAGC 360  
 AATTCAATGT TCCCATGGGG AAGTTTCTGC GG 392

Name: 72 Len: 344 Check: 65D  
 GAGTTCACAG ACCGCACTTT GGCACGTTGT CCTCACTGCA GGAAAGTGTC ATCTATTGGG 60  
 CGCAGATACC CACGTAAGAN ATGTATCTNC TGCTTCTTGC TTGGCTTGCT TTTGGCAGTC 120  
 ACTGCCACTG GCCTTGNCTT TGGCACATGG AAGCATGCAC GGCGATATGG AGGCATCTAT 180  
 GCAGCCTGGG CATTNTCAT CCTGTTGGCT GTGCTGTGTT TGGGCGGGGC TCTTTATTGG 240  
 GCCTGTATGA AGGTGAGCCA CCCTGTCCAG AACTTCTCCT GAGCCTGATG ACCCACAGAC 300  
 TGTGCTTGGN CCCTCCCTGG TGGGGACAGT GACACTACGA AGGG 344

Name: 73 Len: 311 Check: 1E74  
 GTGGGATGGG GTGCCCTTCA TCCTGCGCTG CGGCAAGGCC CTGAACGAGC GCAAGGCCGA 60  
 GGTGAGGCTG CAGTTCCATG ATGTGGCCGG CGACATCTTC CACCAGCAGT GCAAGCGCAA 120  
 CGAGCTGGTN ATCCGCGTGC AGCCCAACGA GGCCGTGTAC ACCAAGATGA TGACCAAGAA 180  
 GCCGGGCATG TTCTTCAACC CCGAGGAGTC GGAGCTGGAC CTGACCTACG GCAACAGATA 240  
 CAAGAAGCTG AAGCTCCCTG ACGCCTATGA GCGCCTCATC CTGGACGTCT TCTGCGGGAC 300  
 CAGATGCACT T 311

Name: 74 Len: 176 Check: 1B5C  
 CTGTTCTCTG GAAATGTTTG ATGCTACTCT GAAAGATCGA GAACTGAGCT TTCAGTCGGC 60  
 TCCAGGTACT ACCATGTTTC TGCATTGGCT AGTGGGAATG GTATATGNT TCTACTTTGC 120  
 CTCCTTCATT CTACTACTGA GAGAGGTACT TNGACCTGGT GTCCTGTGGT TTCTAA 176

Name: 75 Len: 276 Check: 120F  
 CCAAGATTGG TTCCAGCGCC AGTACCTGTC AACTCCAGAT AGTCAGTCTC TGCGCTGTGA 60  
 CCTCATTCGC FACATCTGTG GGGTAGTCCA NCCTTCTAAT GAAGTACTGA GTTCAGATAT 120  
 CTTGCCCGGG TGGGCCATCA TTGGTTGGCT CCTGACAACG TGCACGTCAA ATGTGCGCTGC 180  
 CTCCAATGCC AAGCTGGCTT TGTTTTATGA CTG3CTGTTC TTTAGTCCAG ACAAGGATAG 240  
 CATTATGAAC ATAGAACCAG CCATCCTGGT CATGCA 276

Name: 76 Len: 310 Check: 21A5  
 ACACCCTCCT GTGCAATGGG TATTGGCTTG CCTGGCTGAT TCATGTGGGA GAGTCCCTGT 60  
 ATGCCATAGT ATTGTGCAAG CATAAAGGCA TCACAAGTGG TCGGGCTCAG CTACTCTGGT 120  
 TCCTACAGAC TTTCTTCTTT GGGATAGCGT CTCTCACCAT CTTGATTGCT TACAAACGGA 180  
 ACGCCCAAAA ACAAACTTGA AGTTGTCTGA AAGCTTGCTC TACACTTTTA CATTATCCT 240

1-1-1

CACCCTTTTT TTTGTGGGGT AGAGGAGGTT GCAGTANTTT ACTCAGTGAT CTTTCTACTT 300  
 TCTAGAAACT 310  
 Name: 77 Len: 295 Check: 102E  
 CCTCACTGCT ATGGGCCGCA ACAAGAAGAA GAAGCGAGAT GGTGACGACC GGC GGCCGAG 60  
 GCTCGTTCTT AGCTTCGACG AGGAGAAGAG GCGGGAGTAC CTGACAGGCT TCCACAAGCG 120  
 GAAGGTGCGAG CGAAAGAAGG CAGCCATTGA GGAGATTAAG CAGCGGCTGA AAGAGGAGCA 130  
 GASGAAGCTT CGGGAGGAGC GCCACCAGGA ATACTGAAG ATGCTGGCAG AGAGAGAAGA 240  
 GGCTCTNGAG GAGGCAGATG AGCTGGACCG GTTGGTGACA GCAAAGACG AGTCG 295  
 Name: 78 Len: 406 Check: 233D  
 CAAAAAGCTG GTNGCCTCCA GACCCGACTT TTTCAACCAG GAGCACCAGA CACGGGATGT 60  
 GGACTGTGTC CTCACAACAG GAGAAGTTTT CAGGTTGCTG GNGGNAGAGG GGGCTCGGGG 120  
 GGCTACCTGG AGCACGTGTT CCGGCACGCG GCCCGAGAGC TCTTTGGAAT CCATGTGGCT 180  
 GAGGTTACCT ACAAACCCCT GAGGAACAAA GACTTCCAGG AGGTGACACT NGAGAAGGAG 240  
 GGCCAGGTGC TGCTGCACTT CGCAATGGCG TACGGCTTCC GCAACATCCA GAACCTGGTG 300  
 CAGAGGCTCA AACGAGGGCG CTGCCCCCTAC CACTACGTGN AGGTCATGGC CTGCCCCCTCA 360  
 GGCTGCCTGA ACGGCGGGGG GCCAGCTCCA GGTCCCAGAC AAGGCC 406  
 Name: 79 Len: 288 Check: 18D6  
 AAGAAGGAGA GGAAGGAGAA GAGACGGCAG AGGANGGGGG AAGAGTGACG CCTGCCTGGC 60  
 CTCACCTGCT TCACGCATGA CAACAACCAC TGGCAGACAG CCCCCTTNTG GAACCTGGGA 120  
 TCTTTCTGTG CTGCAACGAG TTCTAACAAT AACACCTACT GGTGTTGCGN TACAGTTAAT 180  
 GAGACGCATA ATTTNNTTT CTGTGAGTTT GCTACTGGCT TTTTGGAGTA TTNNGATATG 240  
 AATACAGATC CTTATCAGCT CACAPATACA GTGCACACGG TTAGAACG 288  
 Name: 3 Len: 168 Check: E5E  
 CAAATTTGTG TTGTATATAT TCGTATTCCA TGTGTTAGAT GGAAGCATTT CCTATCCAGT 60  
 GTGAATAAAA AGAACAGTTG TAGTAAATTA TTATAAAGCC GATGATATTT CATGGCAGGT 120  
 TATTCTACCA AGCTGTGCTT GTTGGTNTTT TCCCATGACT GTAATGCT 168  
 Name: 80 Len: 322 Check: 1995  
 AAACAGCAGC TGGTGGTTAA CAAGTGGATC GTCATGTTCA GTAGTTTATA CATTATGTGA 60  
 GAAGTAACGT TCTGATTCTT TTTCTTACAC AGAATTGGCA GAGGGGGTCG ATTTGGGAGG 120  
 AAAGGTGTGG CTATAAAGCT TGTTACTGAA GAAGACAAGA GGATTCTTCG TGACATTGAG 180  
 ACTTTCTACA ATACTACAGT GGAGGAGATG CCCATGAATG TGGCTGACCT TATTTAATTC 240  
 CTGGGATGAG AGTTTTGGAT GCAGTGCTCG CTGTTGCTGA ATAGGCGATC ACAACGTGCA 300  
 TTGTGCTTCT TTCTTTTGGG GA 322  
 Name: 81 Len: 361 Check: 2C4  
 ATTCTCTAAA ATGCTTAATG CCTTTGAAAT TTTGTAATCA AAAAAAGCT TTGAAAAAAT 60  
 CTAAAGGGGA GAGTATTCTT TAAAGTTTTT AACATAAGCT TGTCAATGCA CATGTAGATG 120  
 GTTAGCATGT TTAGCAAACC TTGTGAAATT ATAATAAGTT TGTAGTTACA TGTGAAACTC 180  
 TAAATGCATG GCAACTGTTA ATGTCATAAC AGTTTAGTTA TTTTGTCTG TTCTGTCTATG 240  
 TGCCACAAAA TATGTACTTT TTTCACTTTT TTCCCTTTGT ATATCAGTTA CGGGTTACAA 300  
 CTGGTTTCAAT CTGAAAACAA CAACAACAAA AGTCCATTCA TATTTTTTAA CCATTGTATA 360  
 G 361  
 Name: 82 Len: 206 Check: 7A3  
 TTTTTTTTTT TAGTAGTTGC AACTTCAGCA CATCTTTATT AGAACTCTTT CATTGTGGGT 60  
 AAACAGCCAC AAAAATAAAT GCTGACTTAG AAAGTATAAA CGCAAATATT TAAACAAAAA 120  
 TGTTTGACAG ATTATAGCG CAAATTGTAC CTGAACTGGA AAGCCGAATT CTGCAGATAT 180  
 CCATCACACT GCGGCGCGCT CGAGCA 206  
 Name: 83 Len: 563 Check: 815  
 CATCAGCTCT CTTGTTGCT GTGGGAACAC TGGCCAGAGG TGTACCACTG CGAGGCGACT 60  
 GTTTATACAT GAAAGCATCC ATGATGAGGT TGTAACAGA CTTAAAAAGG CCTATGCACA 120  
 GATCCGAGTT GGGAAACCCAT GGGACCCCTAA TGTCTCTAT GGGCCACTCC ACACCAAGCA 180  
 GGCAGTGAGC ATGTTTCTTG GAGCAGTGGG AGAAGCAAAG AAAGAAGGTG GCACAGTGGT 240  
 CTATGGGGGGC AAGGTTATGG ATCGCCCTGG AAATTATGTA GAACCGACAA TTGTGACAGG 300  
 TCTTGGCCAC GATGCGTCCA TTGCACACAC AGAGACTTTT GCTCCGATTC TCTATGTCTT 360  
 TAAATTCAG AATGAAGAAG AGGTCTTTGC ATGGAATAAT GAAGTAAAC AGGGACTTTC 420  
 AAGTAGCATC TTTACCAAAG ATCTGGGCAG AATCTTTCGC TGGCTGGAC CTAAAGGATC 480  
 AGACTGTGSC ATTGTAAATG TCAACATTCC AACAAGTGGG GCTGAGATTG GAGGTGCCTT 540  
 TGGAGGAGAA AAGCACACTG GTG 563  
 Name: 84 Len: 450 Check: 97B  
 ATTTGGTGTG TTCATGAACA CGCTAAATGG CTTGGTAAAT GGGTGTGGTT CAAAGCCTGA 60  
 TGCTTCAAGA TCTCTGGTTT GAATTTGGTC ACAACCAGGA AGTATTGCCC CTTTTCTGT 120  
 CTGGGTCCCTC AATAGGAACT TTTCATACCA GCCATAAACA ATCCAGATGG CTGCCACGTG 180  
 GTCCTTACCA GTGAGAGGCG TCACACAGCA CACACTGCAT GAATGGGGAT GAAATCATTC 240  
 CTGAATTAAAT ATAGGGTTAT ATTACTTGA CCTCAGCCAT TTGAGCCTCA GTGTCTGCAT 300

112

CATATGTGTT TAGTATATGG ACATCTAACT GAAATTATTA ACGTGGCAAT TTATGCGTGC 360  
 CTTTTTTTGGG AATATTCTAT TTTAATGGAA AGAATTATGT AGAAATACTG GATACATTTT 420  
 TAAAAACATC CATAATTAC CATCTTGACA 450

Name: 85 Len: 320 Check: 75F  
 CCATTAGTGT TCACACTCAG ACATTTTTCG CCAGCTCTAA GGTAACCTCA TCTATAGCTG 60  
 CTCAGACTGA TGCATTTATG GACACCTGTT TCCAGTCAGG TGGGGTCTCC AGAGAAACTC 120  
 AAACCACTGG GATAGAAAAGT CCAACGGATG ACCATGTACA GATGGACCAA GCTGGAATGT 180  
 GCGGAGACAT TTTTGAGAGT GTTCATTAT CATATAATGT TGCTACAGGT AACATTATAA 240  
 GCAACAGTTT AGTAGCAGAG ACAGTAACTC ATAGTTTGT ACCTCAGAAT GAGCCTAAGA 300  
 CTTTAAATCA AGATATTGAG 320

Name: 86 Len: 524 Check: 1602  
 AATTCGGCAC AGGGTGGGTC TTTGAGTTTC AGTGAGTTTG CTGAAATGTC GAAGAAGTAG 60  
 TTCCAAACTT CAATGTTCAA TGAAATTTT GTTCAAGTTT GAAATGGAGA GAGCAGCTAT 120  
 AAAAGGTACT AAGCCTTTTA CAAATTTGTT AGTACTGGCA CATGAGATCT AGAGCAGGAG 180  
 CAACTTCTCA CACATAGTAA GTGGGAAAAG AAAGTGCTTT GAAAGTTCCT CCCTCACCTA 240  
 CACAGTAGTC GTCATGTCGA GACCTGCCAG AGAGAGACAC ATTCTCAAGT GAATCCTGGC 300  
 TTCTTGGGAG CGCTTGCTTA GACGAGACAC AGTGACATAA AACAACTTTT GGGGGACAGG 360  
 TATGTTTTCT TGCAGCTGGG GTTGTAAGGT CTTGGAAGA CAAGCAGTGT GGCCAGAATT 420  
 TTGAACTTCT GATGAATGT TAATGCAAAG GACCTTGATC ATTTTTTTGT TTCAAGGTCC 480  
 TCAAAATGAG CACATGAAGA GGTGCTGTG AAACCTTAA TGGC 524

Name: 87 Len: 439 Check: 2297  
 CTCTGGGCCC CTCTCTTGGG TCTGTGCTGC AGTCTGGCCG CTGCTGATCG CCACACCGTC 60  
 TTCTGGAACA GTTCAAATCC CAAGTTCCGG AATGAGGACT ACACCATACTA TGTGCACTG 120  
 AATGACTACG TGGACATCAT CTGTCCGCAC TATGAAGATC ACTCTGTGGC AGACGCTGCC 180  
 ATGGAGCAGT ACATACTGTA CCTGGTGGAG CATGAGGAGT ACCAGCTGTG CCAGCCCCAG 240  
 TCCAAGGACC AAGTCCGCTG GCAGTGCAAC CGGCCAGTG CCAAGCATGG CCCGGAGAAG 300  
 CTGTCTGAGA AGTCCAGCG CTTACACCT TTCACCTGG GCAAGGAGTT CAAAGAAGGA 360  
 CACAGCTACT ACTACATCTC CAAACCCATC CACCAGCATG AAGACCGCTG CTTGAGGTTG 420  
 AAGGTAACCTG TCAGTGCCA 439

Name: 88 Len: 376 Check: 233  
 TGAATTGAAG GAGCTGCAAA AAACCTTTGA AATCTCCATT GGGAGAAAAG ATGAGGTGAT 60  
 TTCTAGCTTG TCTCATGCCA TAGGAAGCAA AAGGAAAAGA TAGAGTTGAT GAGAACATTC 120  
 TTCCACTGGC GAATCGGCCA TGTCAGAGCC AGACAGGATG TTTATGAAGG TAAACTAGCT 180  
 GACCACTACT ACCAGAGAAC TTTACTGAAG AAAGTCTGGA AAGTCTGGCG TTCCGTAGTG 240  
 CAAAAGCAGT GGAAAGATGT GGTAGAAAAG GCTTGTCAG CAAGAGCTGA AGAAGTTTGT 300  
 ATCCAGATTT CCAATGATTA TGAAGCCAAA GTTGCTATGT TATCTGGAGC TTTGGAAAAT 360  
 GCAAAAGCTG AGATTC 376

Name: 89 Len: 341 Check: 7BF  
 GTGAGAACAG GTCCTACGAG GGCACCTCTGT ACAAGAAGGG GGCCTTCATG AAGCCTTGGA 60  
 AGGCCCCGCTG GTTCGTGCTG GACAAGACCA AGCACCAGCT GCGCTACTAC GACCACCGTG 120  
 TGGACACAGA GTGCAAGGGT GTCATCGACT TGGCGGAGGT GGAGGCTGTG GCACCTGGCA 180  
 CGCCCCACTAT GGGTGCCCCCT AAGACTGTGG ACGAGAAGGC CTTCTTTGAC GTGAAGACAA 240  
 CGCGTCTGCT TACAACCTCT GTGCCCCAGGA CGTGCCCTCG GCCCAGCAGT GGGTGGACCG 300  
 GATCCAGAGC TGCCTGTGCG ACGCCTGAGC CTCCCAGCCC T 341

Name: 9 Len: 219 Check: 327  
 AGAGAGTGGT TCAAAGTAGA AGATGCTATC AAAGTTCTCC AGTGTCTATA ACCTGTACAT 60  
 GCAGAGTATC TGGAAAAGCT AAAGCTGGGT TGTTCCCCAG CCAATGGAAA TTCTACAGTC 120  
 CCTTCCCTTC CGGATAATTA TGCCTTGTTT GTAACCGCTG CACAGACCTC TGGGTTGCCA 180  
 TCTAGTGTA GATAGAGAGA ACTGGGTAGG CCTCTCCA 219

Name: 90 Len: 394 Check: B4E  
 CTTGGCCTTA CCAGTTATTA CCCAAGATGG AGATTGGACC AGTATCATCT TCAAGATTTG 60  
 GTCACATATTA TGATGCATCA AAAAGAATGC CACAAGAAT AATTGAGGCT TCAAATTTGGC 120  
 ATGGATTTTT TCTTCCAGAG AAAATATCTT CAACTCTCAA AGTAGAACCC TGTCTTTTGA 180  
 CCCCTGGCTA CACAAAGCTG CTTCAAGTTA TCCAGAACAT CATTATATGAG GAAGGATTTG 240  
 ATGGATCCAA TCCTCAGAAA AACAGAGAA ACATTTTAAAG AATAGGAAT CAGAATCTTG 300  
 GCTCACCTTT ATGGGGAGAC GATATTTGCT GTGAGAAAAT GGTGGCAACA GTCACAGCCT 360  
 TACCAAGTTT CTCTATGTTT TCCGTGGTCT TCTG 394

Name: 91 Len: 153 Check: 1C06  
 ACCCATGGGA TGAGTGTTTT ATTCATGCTG TTTCCAGGAA GGGATGTCAA AGCTGGACCA 60  
 GTCGAAACCC TTGGAGGCTT TTTTTCAGT TGGCCACAGG GGTGTTGGAG GCCTGCTTAT 120  
 GGGTCCCTCGA TGTCGAGAAA CTCCTGCTTG GGG 153

Name: 92 Len: 479 Check: 1FC7  
 CATTGGGCCCT CTAGATGCAT GCTCGAGCGG CCGCCAGTGT GATGGATATC TGCAGAATTC 60



113

GGCTTAGCGT GGTCCGCGCC GAGGTACATT CTTGTAGAAC CGGGTTCGTT TTTCCAGTTT 120  
TGTAGAAAAA TAGATGTTCC AGCCACCATT TACTTAACTG TCTAATATTT AAGACCAATC 180  
AATATGTTCC CTGGAAAGAT GAAAAAGTCT CATGACTAAC TCGTTTTTTT AAAAATTCTT 240  
TAAACAAAAA AGTGTGTGTG TGTGTGTGTG TGTGTGTACT CTCAAAGCAC AGCATTTCCTA 300  
CAGCAGCAGC CAACATGGGG TTTAGTAGCT TCACTCACCC CTAACTAAAG CTTTGAATAA 360  
ACCACTGATT TACTACAAAA AACACTGTCC TTGAAAGAAA NGACNGCAGT CATACATGAA 420  
CGTGAAACTT GGAATGATCA GGTCTTAAAC ATGGCACTTA AAAAGTTACT TATCAAAAC 479

Name: 93 Len: 560 Check: 25DE  
TTTTTTTTTG CAGTGCCAGG ATAAAAAGCA AAATTTTAAA TTGGAAAATG TCTAGCACTT 60  
TACACASTGG AATGAAAGAA TACGAAATTC AAAAACATTA TTAAAGTCC ATATGCCGCA 120  
GCAGCAGCGG CCATGATGAG AGTCCCCCTT CCGAGGCGCT TCTGGAGCAG CTTCCTCAAC 180  
CTGTCCGGGA GACGGGCTCA GAAGAGCAGG GCCCCATGC TGCCAACCTC GCTTTGCTCC 240  
TTAACGAAGA TCTCAAAGTA CTGGTAGATG ATTGTGACTG CGAGCAGGAT CCCGGTTCCA 300  
GACCCAATGG CGCCTAGGAA GTCAGCCAGG ACCGAGAGGG CCCCAGTGCA CAGCCCACCA 360  
AAGGCCGCGG CTGTGGGGAT GTACCGGTTG AGTTCAIGGA CCATGGAGGT CTCTCGGTGG 420  
CCTCTCATCA CCATCTGCTG CTCCTTCAGC TGCTTTGCAA CATCTTTGGC AGAGGAACCT 480  
GAGACCTCAA TCCACGTTTT GGAGAAGAAT GCACAGGAGC CCAGCATGAA CACTATGTAT 540  
ACAACCTGCAT GGAACGGGTC 560

Name: 94 Len: 396 Check: 376  
GACCTCTTAC CTTACTGATG CTGGCAAATA ACAATAACAG ATGGTAATAG ACTCTGGAAT 60  
AGTTCCCTCAT TTGGTTCCCT TGCTCAGCCA CCAGGAAGTT AAAGTTCAGA CTGCTGCACT 120  
TAGAGCTGTG GGCAACATTG TTAGTGAAC TGATGGGCAA ACACAAGTAG TTTTGAAGT 180  
TGATGCTCTT TCACACTTCC CAGCACTCCT GACACATCCC AAAGAGAAAA TTAATAAAGA 240  
AGCAGTGTGG TTCCTCTCCA ACATCACTGC AGGAAATCAG CAGCAGGTAC AGGCAGTAAT 300  
TGATGCCAAT CTTGTACCAA TGATAATACA CCTTTTGGAT AAGGGGGATT TTGGCCCAAG 360  
CAGCTTCTTT TTGAGTGCCA AGTCGACGCG GCCGGA 396

Name: 95 Len: 622 Check: 9F8  
ATGGAGAGTC ACTTAATAAT AAATTTTCTC TATAGTAGGT AAATCCGATG AAAGGCAGCT 60  
GATTTCCAAC AAAAGCTTTA GGAATTGGGA AGGTTTCTAC ATCTCCTTTG TCATCTTCAA 120  
TGTCATCGAA ATTGCTGCTG TCTATGTCAC TGCTGAGTTC AGGTACTACA GGAGCTGCCG 180  
TTTCTCTTAT GTTATCCCAA TGCCACTGAT CATTCTTAAA GAAGGATGC TGTCTGATTT 240  
CTTCCACCCC ATTTCTCCCA AGTCGTACCT CCCTATCTGT TAAGAAAGCA CAGATGAGAT 300  
TCTTTGCAAG TTTGGAAATT TCTGCATCTT CAGGGAAACA CAGTGAATTC TTATGATCCA 360  
TAATTTTGCT ATATGTTTCT ACAAGTGAAT CCGCATAAAA TGGAGTATCC CCCACTAGCA 420  
TCTCATAAAG GAAACACCT ACAGACCACC AATCACATTC TCGCCCATAG AAACCATCAC 480  
CCCCTTGTGA TTTCAGAAC TCAGGTGATA TATAATCCGG TGTTCCAACT GCTGTATCAC 540  
AATGTACCAT GCCTGTTTCA TCCATCTTCA TACAGGTGCC AAAATCTGCT AATTTTAGAT 600  
GGTCATGTTT ATCACAGAGC AT 622

Name: 96 Len: 445 Check: 123B  
GGAAGGGATG GAAAAAAGGA AAAGCAATAG AAAGTGTCCA ATTCACATCA GTTATCCGTC 60  
TGCTTTTTCT TGAGAGCTTG TGGAAGGTGT TAACGTGGCT GGAACATCA ACACCTTGGC 120  
ATGCATGAAT GTTAAGTCAG GAAGGCCAGC GATCACCTTG ATAGCTTCTT CACTTAGGTG 180  
CTCTTCTCTT TTCGGTTTCC TGGTAGATGT GCTTGTCTTC TCTACTGTAG ACATGAGTCT 240  
TGCAATGCA TCAGTCACTT TGAGGCTTGA GGTGGAGATT TCCAGCTTAG AAGTTGTTAA 300  
CTCATACAAC TCCGGATCCA CACCATCTAA AGGGTTAGTA AGGCCACTGC TACTCCAGTC 360  
AAACTGGACG GGTGGTAGAG ACTCCTGGAA CTGATCAGAT GTACATGTGT TCATATCTGG 420  
TGACATGGTG GCTGTCTGAC CGATG 445

Name: 97 Len: 541 Check: 147A  
CTTCTTTCTC TTTATCCTGG AGCCCCCTTC TCTCAGGTAC TAGCGTAGAG GGTTAACCCTA 60  
CAGATCATTG TTGATAATCT CAGCAATCCT GTCAGCCTCT GGGAGGTATG GTTTGAGAAC 120  
CAGCTGAAAA AGCTGTGGCT CGCATCCTGG TTCCCGTGAC GACGGCCTGG GGTTCCTGGC 180  
CCCCGTGCCA GCGGATTGGG GTTGAAGTGA ACACCAGCCG GCCTGAGCGG TTGCGCTGGA 240  
ACTCCTTGAC AATCACCATG TTTGTGAAGT AGGGGTTAGT CTGGAAGTAC AGCTTCATTT 300  
TGTAGCCCAT GGAGATATGT CTGAGATCCT GTACCTGCAG AATGGGTCAA GTAGCGGAAA 360  
AATGTCTTCA TCAGTCTGGT TGATCAAAAT TGAATTTCTG GGGTGGTTTA GGAAGTATG 420  
AGTGGAGTGC TTTGACCCAG AAGCCTGGGA TATGCCGGAT GATGAGGTCT CTGCGCTCCA 480  
GGAAGGGTCT TCGCATCTGG ATGAACTTGC GCTTGAGACG CATGAAGGCT TTGCTGCCCT 540

G

Name: 98 Len: 384 Check: 4C9  
ATTTGGACCG GCATGCAGGC AACTTCTTTT GTTGTTACAT ACCTGTATTA GGAAAATTAC 60  
ACCCATTTTA CAGAAAAATC CCAAAACATA TACTGCAATA AGCTCAAAAC AATGTGAAAA 120  
AGACCAGTGT GAATGGCACA CAAAAATCGC CTCTTTATAA ATTAAGTGA ATTCATGATC 180  
ATGAAGTAGG CACAGGGAAA TCCAGTCTCT AGGGCTTTGC TCTCTGGAAG AACACCTTTA 240

114

AGTAATTTTT AAAAAGGTTA GCATCAGGCT GCTGAAGCGC TTGACAAAC TCCTGAATTA 300  
 TTTCTGGAGC TACTTGCAAG GAGGGCAGGT ATTCTTGTTG AAGATACTGA ACACATTCTG 360  
 GGCCCCGTTT GAGATGAATT GTTT 384  
 Name: 99 Len: 535 Check: 1D3F  
 TTTTAATTTA CAAAAGGTAG GCTCCGTTTA TTAGAGTCAC ACACAACTGA CTATCTCAGT 60  
 GTGACTCAAG ACCACAAAAA ACCCATTTCT CCTTCACTTC TGAGTCCTGG GGTAAATACC 120  
 TAGACCAGCA AGTGTACTGC TTGGGGTCCA TTCACAGGTT TACAAGTTTT TCATTGAGTG 180  
 CAATCTGTGA CTGTGTGAGG TTGGCCAGGT AGGTCACCAT CAAAAGGTCA TTGATGTTGC 240  
 TGTGAGCAT GGTCTCAAAG TCATCGGGAA CTATTTTCGG TACTTGGTTA ACCAGGCTCA 300  
 TCAGGAAGCG GCCCACAGTA TTGTCAGCTG ACACCTTTCC AGACAGTACA TCCTCTGCAT 360  
 ATTGCAACAC TGTACTCAGG GCATCCTGGA TGCAGAGCTGA TGCCCTCCT ACTTGCTGCA 420  
 AGTCACTTGA GAGTCCAATC ACTCTGTTGG GGCTAAAGCA GGTCTTCATG ATCAGGTCAA 480  
 CTCCGATGCG TTCAGTGTG TAGTACGCGT ATTTCACTGT CAGAGGGGTG AACAT 535

115

Name: 1 Len: 459 Check: 2459  
 NAAGCCCTTC ATCGATTTAT AGAGCTTTTC AGAGTGATGG TTTCTCGAGC AGAAATTGAC 60  
 ATGTTGGGATA TCCGGGCACA CTTCAAGAGA CTCTATGGAA AGTCTCTGTA CTCGTTTCATC120  
 AAGGGTGACA CATCTGAGAA GTACTGCTTG TTTCTCTGTG AGGAGATGAT180  
 TAAAATAAAA ATCCAGAAAG GACAGGAGGA TTCTCAACAC TTTGAATTTT TTTAACTTCA240  
 TTTTCTTACA CTGCTATTAT CATTATCTCA GAATGCTTAT TTCCAATTAA AACGCCATACA300  
 GCTGCCCTCCT AGGAATATAG ACTGTCTGTA TTATTATCA CCTATNATTA GGTCCATTAT360  
 GGATGCTTTA AAGCTGTACT TGGCATTTC AAAGCNTATA AGGTTATAAT GGGAGGTTTT420  
 NAAAGTAGGA NTTAAATATG TATTCCTGT TTTTTAAAA 459

Name: 10 Len: 227 Check: 147B  
 TTTAAGTGTG TTGCCTGTGA GTGTGACCTC GGAGGCTCTT CCTCAGGAGC TGAAGTCAGG 60  
 ATNAGAAACC ACCAACTGTA CTGCAACGAC TGCTATCTCA GATTCAATC TGGACGGCCA120  
 ACCGCCATGT GATGTAAGCC TCCATACGAA AGCACTGTTG CAGATAGAAG AAGAGGTGGT180  
 TGCTGCTCAT GTAGATCNAT AAATATGTGT NGTATGTCTT TTTNGCT 227

Name: 100 Len: 452 Check: 17BA  
 TGTATCTTTG ATGAGGTTAG TTTTGGTATT ACAGCAAAT TTTTTCTTC TGACAAATCT 60  
 GTGCTGTGTT TATATTAAT AAATCTTTAA AAATACGAAT CCTGAGCTAG AGTAAAAACA120  
 ACAATTTTGA CTAAAGAATA AATCCCTTCA TTGTTAAACC TAAACAGCTT TAAATTCAG180  
 CCATGGAACA TAAGATAAGA CTGGAATTCA AACTTCTGAT GTCCATGGCA AACCTGAATA240  
 CTCTCAGCAG AAATAAACA CACATAGTAG ATAATACACA ATAGTAAAA GCATCAGAAA300  
 TTGATGCACC TGGATTTTGT TAAATACAAC AAAGGTCAGT CAGTCTTCA TGGATAAAC360  
 TAGCTGGGAG AATAGCACTG AACAGTGTAT TGCATTGAGC AGAAATCCCT CAGAAAGGCA420  
 ACACTGGATT CATTTTITAG CAGGCATAGA CT 452

Name: 101 Len: 447 Check: E33  
 TTTTCAATC CTGATAGTTC TTTATTTTTT CAAAATATAT TTGCCATGGG ATGCTAATTT 60  
 GCAATAGGTG TCATAATGAG AATAACCCAA ACTGGATAAA TGTGACAAAT GATTGACAA120  
 GCATTTTACA CCCTTCAAT ACACCACATC AAGAATGAGG GGAAAGCGTT GTAAAGTAG180  
 ACTACTGCAA TGCTACTTAT ATTCTTGCAA TAAACCAGC AAGCATCCAT ATCAAGAGAG240  
 TTATCATCTC ACTTCCAAT TTTTCCCTC AAGAACAAT TGAATCTCTT TGGCATCCAA300  
 AGTCTCATAG GTCAATAAAG CTCTGCGAG ATTCTTATGC TCCTTTGCAT GAGTTTTCAA360  
 GATAITTTTT GCTCGTTCAT ATGAGTCACT TAGAAGGATT CTTATTTTCA GTTCGATGGC420  
 AGATTGGGTT TCTGGACTTA GGTTTCC 447

Name: 102 Len: 368 Check: 1FEC  
 TTTTTTTCAA AAAAGAAAT CTTTTAATAA AAATTACTCA TAAAAATCCT AATAAATTTT 60  
 AAAGAGCAAG ATATTCTTA TTACATTTAT AAAAGAACAT TTGGTCCTTT TACAAAAAGA120  
 TCCCTTTTAA TTTAAATACA TTTCTTATTT ACAGATTAAA CATCTACAGT180  
 TGCAAAGCAT ATTGCACATT ACAGAGAAGC ATTTGTGTAT TTCCGTAAGT TTTCCAGAG240  
 TTTCCAACCT TATACTTTTT TTTGTAAAAA GATTACCTT TCTTATGCAA AATAAATAA300  
 AATGCAGCTT GTGTTTTGCT ATTTAAACT AAAACAAAT AACCTTTAAA AATATTATTC360  
 CTCTGCCT 368

Name: 103 Len: 685 Check: 1890  
 TGGGATCTTT TTTTATTTTT ATACACATGA CAAGATTTTA CACCAATAGT CAGTTAATA 60  
 GTACAAATTT ACATTCAGGA GGAATGTTAA AAAAAATTCA ACTAAAAA CCACTTCTTC120  
 CTGTGACCCA TAATCCCAAC ATTTTACAGT GCAGGGGAGA AGGAGGCTTG GGGAGCATC180  
 CAAAACAAGT CTCTCAAAAG AAATGACTTC AAACTTCAC ATTCCCTCTC CACACGGGAT240  
 TCATAGCGAG AGTATAATTT ACAATTATC CTCTCTGTA GATTCTTTTT CTGTTTCTTC300  
 CTCTTCTTCT TCTGTCCCTG CATCCATCTC TTCTCCCTCA TCCTGCTCTG AGTCTTCTGC360  
 GTCTTCTGAG GTGTCTTCAA GGCTCTTCTT CTGGTCTTCT CTTCAACTGT GCTTCAGGGG420  
 CAAAGGTTAA ACTGAGGCGA AGATTCTTTC CAATCGAAGT CCATACGCTT TGGTGTCCGG480  
 TAGAAGATAA CCTGACCCAA GTGTGACGG TTTCAAACAA AACTACAGCA AGAACCATGA540  
 CTGTCTTGGC AACTTCAACG TCCTTAAATC GGCGGAAAT GTCTCCGAAC AGGGGGGGGT600  
 CTGGAATGAG TTCGAACGTT TTCTTAGAC CGGCATAGTA ATTTGTAGAG AAAGTCTTGG660  
 CCGGCCGGTA AGGCTGTGGC TTCAA 685

Name: 104 Len: 676 Check: EF6  
 GTCATTTTTT AATTTTTTAT GATTTTTTAA TGCTGCACAA CACAATATTT ATTTCAATTT 60  
 GAATTTTCAAT TATTTCTTTA TTTCTGTGTC TGCTTTTATT TTATTTACTG AAAGTGAGAG120  
 GGAATTTTGG TGGCCTTTTT TTTCTTTTTT TTCTGTAGGC CGCCTTAAGC TTAATAATT180  
 TGGAACATCT AAGCAAGCTG AAGGGAAGAG GGGTTTTTCA GAATCACTGG GGGAAAAAGG240  
 AAAGGTTGCG GTGTGATCA TGCCCTATGG TGGGTGACCA ACTGCTTGTA CAATTACGTT300  
 TCACTCTTAA TTAATTGTGC TTAAGGCTGA ATTAATTTG GGTGTTCCCT TCTTAGAGCA360  
 GCTCGTATTG GCGGAGATGC ATGCGCTGGA TGATGTCACG GCAGTCGTTG AAGACACGGC420  
 GGATGTTCTC AGTGTCACG GCGCAGGTAA AGTGAGGGTA GCAGTAGTGG CGCCATCTCC480  
 ACTAGCAGTG CTGATTCTCA GAAACTCATC CCGAATGAAN GTACTTGGCC GGGTCACGCG540

116

TGGGTCTCT CCGGCTCGG GAGTCCGATC CCTACAGAGT GTGTAGCGAG CGAACTCTGG600  
AAAGTAGTCC TCAATOTCGA TTTGCCACCG GGACTTCTCA GCAGCAGGTC TTGCTTGTGT660  
AGAAGAGATC ACAAGA 676

Name: 105 Len: 367 Check: 135E  
GACGGGAAC GAACGCGGTT CTGGGAGCAG CAAGCCCACG GGTAGCAGCC GAGGCCCCAG 60  
AATGGCCAAG TTTCTTTCCC AAGACCAAT TAATGAGTAC AAGGAATGCT TCTCCCTGTA120  
TGACAAGCAG CAGAGGGGGA AGATAAAAGC CACCGACCTC ATGGTGGCCA TGAGGTGCCT180  
GGGGGAGGCC CGACGCCAGG GGAGGTGCAG CGGCACTGCA GACCCACGGG ATAGACGGAA240  
ATGGAGAGCT GGATTTCTCC ACTTTTCTGA CCATTATGCA CATGCAAATA AAACAAGAAG300  
ACCCAAAGAA AGAAATTCTT CTAGCCATGT TGATGGTGGA CAAGGAGAAG AAAGGTTACG360  
TCATGGC 367

Name: 106 Len: 440 Check: 138A  
GGTGTGCTTG GATGAGTGGT AGCGTCGGAA ATGAGGAGCA GAGGCGCAAA TTTTGCCCAAG 60  
CGCTCTGTAC CATGGAGAAG TTTGCTTCCT ACTGCCTCAC TGAACCAGGA AGTGGGAGTG120  
ATGCTGCTTC TCTTCTGACC TCCGCTAAGA AACAGGGAGA TCATTACATC CTCAATGGCT180  
CCAAGGCCTT CATCASTGGT GCTGGTGAAG CAGACATCTA TGTGGTCAAT TGCCGAACAG240  
GAGGACCAGG CCCCCAAGCA TGCTCATGCA TAGTTGTGTA GAAGGGGACC CCTGGCCTCA300  
GCTTTGGCAA GAAGGAGAAA AAGGTGGGGT GGAACCTCCA GCCAACACGA GCTGTGATCT360  
TCGAAGACTG TGCTGTCTCT GTGGCCAACA GAATTGGGAG CGAGGGGCAG GGCTTCTCTCA420  
TTGCCGTGAG AGGACTGAAC 440

Name: 107 Len: 442 Check: 19D2  
GCACACCTGT AGTCCTAGCT ACTCAGGAGG CTGAGGTATG AGAATCGCTT GAACTTGGGA 60  
GCCGGAGTTA CAGTGAGCCA AGATTGCGCC ACTGCACTCC AGCCTGGGCG ACAGAGCGAG120  
AGCCTGTCTC AAAAAAATAA AAAAAGATGA TGTAACCTTC ACAGGGCAAG GTCTTGTGT180  
TTGCTCACCT CTGGGTTATG CTCATAAAAC AAGCTTTTGC CCATGTACCC TAAGTCAGAC240  
CCAAGAATGG TGTCTACCAA TGATTGTCTC TTGCCACTTA CCGTACGCAT ACAGAAAGTG300  
CGTGTGTTAA TCGGCATACA CAAAGAAGTC GTCCCTTTTC TTGTGGTCCA GCACGGAATG360  
GCTGTCTCTG AAGTAATTTA ACACACTCAA AATGGTNGCG TTCGTGTTAT ACGGTGAAAG420  
AGGGGCCAAG CAGATGTCTT GA 442

Name: 108 Len: 453 Check: 6FD  
GAGACTGCAT AGGGCTCGGC GTGGGGGGTA TTCTACTATT TTGTCACTGC CCTGGGCATA 60  
ACAGCAGGAG CTCATCGTCT GTGGAGCCAC CGCTCTTACA AAGCTCGGCT GCCCCTACGG120  
CTCTTTCTGA TCATTGCCAA CACAATGGCA TTCCAGAATG ATGTCTATGA ATGGGCTCGT180  
GACCACCGTG CCCACCACAA GTTTTCAGAA ACACATGCTG ATCCTCATAA TTCCCGACGT240  
GGCTTTTTCT TCTCTCACGT GGGTTGGCTG CTTGTGCGCA AACACCCAGC TGTCAAAGAG300  
AAGGGGAGTA CGCTAGACTT GTCTGACCTA GAAGCTGAGA AACTGGTGAT GTTCCAGAGG360  
AGGTACTACA AACCTGGCTT GCTGATGATG TGCTTCATCC TGCCACGCT TGTGCCCTGG420  
TATTTCTGGG GTGAACTTT TCAAAACAGT GTG 453

Name: 109 Len: 421 Check: 1318  
TTTTTTTTGT GCAGAAACAT TCTGAACTAC AAAGCGGCCT ATTTTGTCTT CTGGATATGG 60  
AACTCCTTGG GGATCAGAAT AGAAAGCTTC TAGCTCAAAA GGCCCCCTTC TCAGAAAGGT120  
GAGAACTTGG GAGAAAGGAG CAGCATGGTT TCGACTAAAG ACTTCATGAA CACCTTCAGT180  
ATCTTCTGAA TCATSGTTCC AGATCAGAGA TATTGGAAAA GGAAGTGCAT CTGTGACGGA240  
AAATCTCTTA ACTTTAAATG CCGGGGAAAG TATTGCACAC TGTAATGCAC ATCCTCTGGC300  
TACTGCTTCA TCTGCATTGA GTGTTGTGCT AATATCTTTT CCAAAGAATT TGGCAATTCT360  
TTCTTTCACA GCTGGAATTC GTGTAGCGCC TCCATCAATC TCTACTGCAC TCACATCTTC420  
T 421

Name: 11 Len: 621 Check: 23BA  
CAGGGAAAAA ATATGTTTGA TNCCTCTGGT AACTGTCTCC TTATCTGCAA ANTGACATCC 60  
CAACGGATTG CATGCCCTCG GCCTACTGCA AAAGAATCAT CAACCTGGGG CCTGTGCATC120  
CCGGACCTCT GAGTCCAGAA CCCCCACCA TGGGTGTCAG GGTATCTGT GGACATTGCA180  
AGAATACTTT TCTGTGGACA GAGTTCACAG ACCGCACTTT GGCACGTTGT CCTCACTGCA240  
GGAAAGTGTC ATCTATTGGG CGCAGATACC CACGTAAGAG ATGTATCTGC TGCTTCTTGC300  
TTGCTTGTCT TTTGGCAGTC ACTGCCACTG GCCTTGCCTT TGNACATGGA AGCATGCACG360  
GCGATATGGA GGCATCTATG CAGCCTGGGC ATTTGTCTAT CTGTTGGCTG TGCTGTGTTT420  
GGGCCGGGCT CTTTAATTGG GCCTGTATGA AGGTCCAGCC AACCTGGTCC AGAAATTCTC480  
CTGAAGCCTG ATGACCCACA GANCGGTGCC TTGGCCCCCTC CCTGGTNGGG ANCAAGTTACA540  
CTACGAAGGA AGCTGGGGTA GTTAAAGGTT CCGGGGCTTN TAAGAAGAAG CCAAGCAACT600  
TGCTTCTTT CCCTGGGGAA A 621

Name: 110 Len: 309 Check: 1332  
ATAAGAATGC CTGCTAGCAA GGGTTCAGC AAGGTGGTTG GTTGGTCTGT AAGTCAGTCT 60  
TGAGTACTTG AAACAGTTCT GTGTTTGTTC TTTTCTCTTA GCGTTTAGAA TAGCCATCAT120  
TGTCCTGCAA TAGGCAGAGC TATCAGCTCC AGGAAAAATG AGGGAGGGAA CCACAGAGGC180

117

AGCGTGAGAT CCAAATACAG CATTCAAAGG TAATTGGTCC AGTGGTGCCT GGGGAGGGAG240  
GAAGGGTGAT ACTCCAGGGT TAGCCGTCTT CTTTGGGGG TGTGTACAGC CGTTTTTTTC300  
GTGGATCTG

Name: 111 Len: 489 Check: 9C2  
CTACTACTAC TAAATTCGCG GCCGCGTCGA CGAAGAAGCA GGTATTTATT TTAATAAAGG 60  
AATGGTTGGT ATTCTAGTTA ATCAAGTAAT TCTTTTATTA GCAAGGCAGA AACTAGTGT120  
TTTCTATAAA CTTGAATGTT AATTGTACAG GTGTATTTTA CAATTTTGT TTAATTAAAA180  
AAATGTTACT ATAITTAATA TCAACCTGGT CAAAACCTTT CAGGTTTCTT CGTTTGAGTC240  
AGTCGCCCTG ATTCAGAATG TCACGAGCCT TATGATATCA TGCTGAGGCG CCTTGCAAAT300  
CCGACAATTA AGATCCTCCT AGACCTTGAG GTGATCAGCA TAAGAGGCCA GATCCCCCTCG360  
AGTCATCTAC ACCTAGCTTC ACCTTATTCT TTAAGGGGCA GAAAATTTGA GACGGTGTATC420  
GCCGTAACAG TAAATTTGGC TTACAATTGG GGCACCCCTC CGGTTTAGAA AGAGGAACAC480  
CAGATTGAC

Name: 112 Len: 563 Check: 1430  
GGACTCAGAA TTGATGAGAG ACATTTACAG CATGCACATT TTCCTTACTG AAAGGAAACT 60  
CACTGTTGGA GATGTGTATA AGCTGTIGCT ACGATACTAC AATGAAGAAT GCAGAAACTG120  
TTCCACCCCT GGACAGACA TCAAGCTTTA TCCATTCATA TACCATGCTG TCGAGTCCTG180  
TGCAGAGACC GGTGACCATT CAGGGCAAAG GACAGGGACC TGAGGAGCCG AGCGAATAGC240  
ATCTCCTCCC ACCTCCACC AGAGACGTCC TGTTTGAGCT GTCAGGTGTA ATATATGAAT300  
TGACTTAAGT TAATATAAAT GTGTACATA TCCACATTG TAGTCAAGGA CGCAATCTCT360  
TCCACACATG TGCAGTTGTC AGTTGGTACA TCTAAACTCC CTCCATCCTG ACTCACGTGG420  
ACTTAGATAT GTTTTGTTC TATTTCTTC TATGTCAGTT TTTCACTCTT TGATGTTTAT480  
GTCTTTTGTC CATCAGATCT CTTGTGATAT CACATGGAAG GTTGTGCTCA GCCTGTGCGG540  
TCTCTTTCTT CCTGCACATA TAT

Name: 113 Len: 597 Check: 2109  
TTTAGCCCTG TGAATTATC CTCAATTGCA CATCASCTGG ATGAGGAGGA GAGGATGAGA 60  
ATGGCAGAAG GAGGAGTTAC TAGTGAAGAT TATCGCACGT TTTTACAGCA GCCTTCTGGA120  
AATATGGATG ACAGTGGTTT TTTCTCTATT CAGGTTATAA GCAATGCCTT GAAAGTTTGG180  
GGTTTAGAAC TAACCTGTT CAACAGTCCA GAGTATCAGA GGCTCAGGAT CGATCCTATA240  
AATGAAAGAT CATTATATG CAATTATAAG GAACACTGGT TTACAGTTAG AAAATTAGGA300  
AAACAGTGGT TTAACCTGAA TTCTCTCTTG ACGGGTCCAG AATTAATATC AGATACATAT360  
CTTGCACTTT TCTTGGCTCA ATTACAACAG GAAGGTTATT CTATATTTGT CGTTAAGGGT420  
GATCTGCCAG ATTGCGACGT GACCAACTCC TGCAGATGAT TAGGGTCAAC AGATGCATCG480  
ACCAAACTT ATTGGAGAAG AATTAGCACA ACTAAAAGAG CAAAGAGTCC ATAAGACAGA540  
CCTGGAACGA GTGTTAGAAG CACATGATGG CTCAGGAATG TTAGACG

Name: 114 Len: 222 Check: 12B6  
TTTTGAATCA AAATTAACAT CAATATATAG ATTCTAGTAT ATTCTTCTTA AAGCCTTTAG 60  
AAAAGATAAA ATGACATTTT GCAACATATG CCAAACCTCA TGTTTAGTGT ACACCTTCTAA120  
TTATTGGCAT AGAGGGATAT AACTGTTHAA TAACCTGAAA TGACACCATG CAATGGTGAA180  
ACTACAGAAG TTGGTGAAAA GAAGTATTTA CATAATGTAA TA

Name: 115 Len: 512 Check: 1EAB  
TTTTTCTTGA TATGCATAGC TTTTCGGGGT TGGTATTAGA CATGGCTTTC GTAAATAATG 60  
CAGGTGTTTT TGTCATGTGT CACTGCTGGC TCTGTGGCTT CCAGGTAAGC TGGCGGCAGT120  
ACCTTATCTG GTACCTCAAC AGGTGTGGC TCTTCAGATG TTAGCTCGGT GGACGTGACA180  
TCGGTAGAAG GTTCTGCAGT TTCGGGGGAA TGTTCCGCCG ACAGTTCTGT CTCCTCTACA240  
TCTTTGACTT CAAACTGTCC ACCCTCTTGG TCATCTGCAT GCTCTTTTTT GGACTGCGGG300  
TGAAGTGACA CCTTGATGGC AATTGCTGTA GGTGCTCGT GCAGCGATGA GCGCTCCGAG360  
TCAGCGGCAG GGGAGTCGCT CCGCTTCAGA GAGTTGGGGA TTGTGTAGAC CTCATCCCTG420  
TCTGCGGCCCT CCTGGCCTCT GGAGTATGCC TCAAAAATTC TGCCCCGGT CTCCAGCCCA480  
ACCACCTCAT AATCTCCTCC ATGATAGTCC CG

Name: 116 Len: 566 Check: A72  
TTTTTTTTTT GTTTTTTAAC CCCCCCGAG AAGCTCTGTC CCCAGCTGAT GCCCATGTTG 60  
GAAGAGGCTT TGCGGAGAGG AGCCCATACC AGCGCAAAGC TGANCTCCTG GTGCTGGCCG120  
TGCTGTCTGA CGGAGCTGGC GACCACATCA GGCAGAGACT GCTGCCCCCA CTGCTGCAGA180  
TTGTGTGCAA GGGCCTGGAG GACCCCTCGC AAGTTGTACG CAATGCTGCG CTGTTTGGCC240  
TGGGCCAGTT CTCAGAAAAC CTACAGCCCC ATATCAGCAG CTATTCAAGG GAGGTAATGC300  
CACTGCTCCT CGCCTACTTG AAGTCGGTGC CTCTTGGACA CACACACCAC CTAGCCAAGG360  
CCTGCTATGC CCTGGAGAAT TTTGTGGAGA ACCTAGGGCC CAAGGTGCGAG CCCTACCTTC420  
CGGAGCTTAT GGAATGCATG CTGCAGCTTC TGAGGAACCC CAGCAGTCCC CCGGCCAAGG480  
AGCTGGCTGT GAGCGCCCTG GGAGCCATTG CTACGGCTGC CCAGGCCTCG CTGCTGCCCT540  
ACTTCCCTGC CATCATGGAG CACCTG

Name: 117 Len: 549 Check: 1602  
CCCTGTGCAA TGTTTAGCTC TCACCCCACT CCCAAGTGCC ATAATTGAAA TAATACTGGT 60

118

TTGGAGAATT AGTACAGATT GGTGATAAAT GCCGCATAAA GTCCGTAGAT CCAGGTAAAG120  
 GTATTTCCAA ATGGCGTAGT AATGCACTGC AGCTGCCGTG GCCACAAACA GGTGCCAGAT180  
 GGCGTGGGCA AATGGAATGA TGCCATCACT CTGGAAGAAC ACAACTCCCA AGCAATAAAT240  
 TAAGCCCCCA CAGGCAAGTT CCTGAAGTCC ATCGGTGTTG TTCATTGATG TCACCACCAA300  
 GGCTGGAGAG AATCCCATG TGAGATAGAA AAAGAGTTCA ACCACCTTAT ATTTTTCATG360  
 GTAGAGAAAT ACATAAATGG TTCTCCAGC TGCCATGAGC CAGATAAACC AACGCATATG420  
 AGATGCCAGG GGTCCAAGTT CACGAAGATT TAACCATGGA GCATAAGAAG CAGCAATGAA480  
 GAAATAGATA ACCATTCTAT CACACATGTG AAAACAATGC TCCACTGTCC TTAAGTGGCT540  
 CTTTTTCCA

Name: 118 Len: 416 Check: 71A  
 CCGGGGCACA TAAATAGTAT GGCTTAGAAG AAGGCGTGGG TACAGATGTG CAGGAATGCT 60  
 AGGTGTGGTT GGTGTGATGCC GATTGTAAT ATTATGAGTC CTAGTTGACT TGAAGCGGAG120  
 AAGGCTACGA TTTTTTTTGA TGTCATTTTG TGTAAAGGCG CAGACTGCTG CGAACAGAGT180  
 GGTGATAGCG CCTAAGCATA GTGTTAGAGT TTGGATTAGT GGGCTATTTT CTGCTAGGGG240  
 GTGGGAAGCGG ATGAGTAAGA AGATTCCTGC TACAACTATA GTGCTTGAGT GGAGTAGGGC300  
 TGAGACTGGG GTGGGGCCTT CTATGGCTGA GGGGAGTCAG GGGTGGAGAC CTAATTGGGC360  
 TGATTTTACT GCTGCTGCTA GGAAGAAGCC CAATAAGTGG GTGAGGCTTG GTTTAG 416

Name: 119 Len: 405 Check: 23A0  
 CGGGCCTTTA CCTGCGACGA COTGTTCCGC TTCAACAACA TTAAGTGGG TCCACTTACA 60  
 GAAACTTATG GGATTCCTTT CTACCTACAA TACCTCGCCC ACTGGCCAGA GTATTTTATT120  
 GTTGCGAGAG CACCTGGTGG AGAATTAATG GGTATATTTA TGGGTAAAGC AGAAGGCTCA180  
 GTAGCTAGGG AAGAATGGCA CGGSCACGTC ACAGCTCTGT CTGTTGCCCC AGAATTTTCA240  
 CGCCTTGGTT TGGCTGCTAA ACTTATGGAG TTAAGTAGAG AGATTTTACA AAGAAAGGGT300  
 GGATTTTTTTG TGGATCTCTT TGTAAGAGTA TCTAACAAG TTGCAGTTAA CATGTACAG360  
 CAGTTGGGCT ACAGTGTATA TAGGACGGTC ATAGAGTACT ATTCG 405

Name: 12 Len: 409 Check: 8AB  
 CAGACGCTGC CCAAGGCTTT GTGGGCTGCG CACTCAGCTC CACCATCCAG CGCTTCTACA 60  
 AGAACGAGGG AGGTACATGG TCAGTGGAGA AGGTGATCCA GGTGCCCCC AAGAAAGTGA120  
 AGGGCTGGCT GGTGCCGAAA TGCCAGGCCT GATCACCAGC ATCCTGCTCT CCCTGGACGA180  
 CCGCTTCTCT TACTTCAGCA ACTGGCTGCA TGGGGACCTG AGGCAGTATG ACATCTCTGA240  
 CCCACAGAGA CCCCCTCTCA CAGGACAGCT CTTCCTCGGA GGCAGCATTG TTAAGGGAGG300  
 CNCTGTGCAA GTGCTGAGGA CGAGGAACCT AAGTCCCAGC CAGAGCCCCCT AGTGGTCAAG360  
 GGAAAACGGG TGGNTGGAGG CCTCAGATGA TCCAGTCAGC CTGGATGGG 409

Name: 120 Len: 318 Check: 266B  
 CCGACGCAAG TACATCCAGA CAGACAGCGG CCCCTACTGT GTGCCCTGCT ATGACAATAC 60  
 CTTTGCCCAAC ACCTGTGCTG AGTGCCAGCA GCTTATCGGG CATGACTCGA GGGAGCTGTT120  
 CTATGAAGAC CGCCATTTCC ACGAGGGCTG CTTCCGCTGC TGCCGCTGCC AGCGCTCACT180  
 AGCCGATGAA CCCTTCACCT GCCAGGACAG TGAGCTGCTC TGCAATGACT GCTACTGCAG240  
 TCGCTTTTCC TCGCAGTGCT CCGCTTGTGG GGAGACTGTC ATGCCTGGGT CCCGGAAAGC300  
 TGGAAATATG GAGGGCCA

Name: 121 Len: 460 Check: 2526  
 TTTAATCTAA GAATTTCTTT ATTTTATGCA TAATAAAAGG GACTACAAAG AACAGCTGAA 60  
 AAGCCAGAAG ACAAGGAAC AAAAATAAAC AATGACGTGT ATTCCACCCC AAACAATGAG120  
 AAATCTATGC AACTAGACTA TCAGTTCAAT CTATTTCCAG GTCGCTATCC TCACTGTGAC180  
 ACGTGGCAGA GTTACGCACA GATGTCAGCA CCAAGACTTC CTTTTCTGGG AGTAATCCAA240  
 ATTCCTGGAG AAAAGCTTCA AGGTCCACAG CAAAGAAATC ATCCCCCAGC TGGTCAGTAA300  
 CACGAACAAA ATTGCCGATC AATTCACCCC CCTTATAGAT CAGCAGGGCA GGAAGGGCAT360  
 TCCTGGTGAA CTGACTGCTG GCGCCAATAA CTGAGCTCTT CACCTTGCAG AACTTGACAG420  
 CTGGGTACTC TGCGGCAAGG CAGATCATGC AACCATTAT 460

Name: 122 Len: 672 Check: 13BD  
 ATAGAGCCTC ACAGCTGCCA GCTGTTCCCG GGCCCGGAAC GTCTGGGTCA GTGAGGTCCC 60  
 ATCTGGCAGC CTGACCTGTA TGCSACACTG GTCACTACTC CGCTTGGTGG GAGGCTCCTG120  
 GCTGGGAGAA GAGGGAACAG GACCTGGCTC TGGTGCCACT GGGGGTGGCT GAGAGCCCAC180  
 ACTGCCACCA TACTTCTTGG CTCTCTCTGC TTTGTCCTC TCGATCTTTT CTCTAACTCT240  
 TTGTCTGGCT GCTAACTCCT CGGCCTTTTC CTTCCGCTC TCCCTCAGCAG CCGGGCGCAT300  
 CTCATCTTCC TGAGCCGCT GTGCTGCTGC TGACAACCTT TGCCCTTGTC TCCTGCGCTG360  
 CCGTTCCCGG ITCAATGCCT CCGGTTCTCT TCTTTCTTCA CGCTCCGCT GCTTCTGGGG420  
 CCACAGCTCC AACATCCCT CTAGTTTGT CCGTCTTTCC TCTTCACTCA AAGNGGGGT480  
 TGCCCTTCTCC CGCAGCCAGA AACAGATTCT TCAAGGGCGC CTGGTCCCTG AGGAATTGGG540  
 GTCCCGTCCC AAGATATGTC CAAGGGGAGG TCAAAAGGG TCTTTCAAAA TCGGGTTGGT600  
 CTTGGTCTTC AAAAAACCAT TCCATGAAAG CTTGAGTCCC CTGTTCCCTT GAAGGGCAAA660  
 AACTTTCTCC GG

Name: 123 Len: 310 Check: D0

119

GCACGAGAAA TATCTGCCTA AGTGGGACCT GTGAAAACAC GAAAGGCTCA TTTATCTGCC 60  
 ACTGTGATAT GGGCTACTCC GGCAPAAAAAG GAAAAACTGG CTGTACAGAC ATCAATGAAT120  
 GTGAAATTGG AGCACACAAC TGTGGCAAAC ATGCTGTATG TACCAATACA GCAGGAAGCT180  
 TCAAAATGTAG CTGCAGTCCC GGGTGGATTG GAGATGGCAT TAAGTGCAC TATCTGGACG240  
 AATGTTCCAA TGGAAACCCAT ATGTGCAGCC AGCATGCAGA CTGCAAGAAT ACCATGGGAT300  
 CTTACCGCTG 310

Name: 124 Len: 302 Check: 144A  
 GCAGAGCTGG ACCTCCAGAC CCGGATGAGT CTGCGGTCCT TCTGGAGGCC ATCGGGCAGT 60  
 GCACCAGAAC CGATTCATCC GGCAGAGCGG CANAGCAGCA GCAGCAACAA CAACGGAGTG120  
 AAGAGCTGCT AGCAGAGAGA AAGCCTGGGG CTCTGGAGGC GGGAGCGGA GACCCAGCCC180  
 TGGGGAGATG CCGGATCAGA GCCCCAAGGG AAGAGAGTCA AGAGAAGAGA GACTAAGTCC240  
 GAGGGAGACC AGAGAGAGGA GGCTGGGGAT AGGGGGAGCC CAAGAGTTGA GCCTGAGGCC300  
 TC 302

Name: 125 Len: 811 Check: 1E88  
 TTTGAGGTTT GTAAGAATTT TTTAAACAAA ACAGAAATCA CAGTGACCAA GGGTAATGCG 60  
 AGTCTGTGTC TTCCTTGCCC ATGCTGCTCC CCACAGCTCT CCGTGGGTAC TAAATGACCG120  
 GCCACTGCAT GATGCTTGTTG TCTTTCCCGC CCGTGGAGAT GAGGTGGCTG TCTTCACAGA180  
 GGAAATCGAC ATTGGTGACA TGGCTGCTGT GCGCGCCGTA GATGTGGCTT GGAGCCCTGA240  
 ACTGCGAGCA GGGGTATGAG AAGAGGTGCA CTTTGCCAAA GTCGTCGCTT GTTGACAGGA300  
 GTTCTCTCTC ATGGGCCCCGA CAGACGGCAT TTTATTTGGT TCCGTCCGAG CCTTCTGGGC360  
 ACACTCCAAA AAAATGGAAT TGCTTACAGG CAGAGGGAAC CCAGTAGAGG ATTTCTGTAGT480  
 TAGTTTCCAC ACTTACGACT TGCTTACAGG CAGAGGGAAC CCAGTAGAGG ATTTCTGTAGT480  
 CTCCGGGAAT TGACACGAGG AACTGTGAGT TTACAGACCA GTCCAGGTGA GTAATGAAGC540  
 TGGAAATGACC CGAGCACTTG CCCACTCGCG TGTACTTCCT CCCGTTTGTA CTAAAGGCAT600  
 ATATATAGAT GCAGTTGTCC TGTGAGCCTA TGGTAAAGAA ATTTCCCATC TGGTGAGTAT660  
 TGCATTACAG AGAAGCCGAC GGTTCCATCC TGTGTGAAGG GGGACCAAGT CTTTTGTTTT720  
 TCGTGTAA AACAACCCAC CTCCAGTTA GTGGTTCGAC TTCAACCCAC GACCCTTGAG780  
 GGATGAAACC AAGAGAAGT GCGGTTTCT C 811

Name: 126 Len: 456 Check: 11A  
 TTTTTTTTTT TAAAATACAA AAAACAGCTT TACTCAGACT TTTTGACTGC CATGTCCTCC 60  
 TTTAGAAGGA CTACAGTTTG GCTACTTGGT CTCTTCTGGG GCAGATGTGG CATCCTGAGG120  
 TGTGTTAGCT TCTGCCGGTG CAGATACAGC TCCTACCACA GTAGGGGTGG TCTCAGATAA180  
 AGCAGGGGATG GCTTCTGGAG TGGAAGTGGC TCCTGTCTCA CTGGGGGTGG TGTCAAGTTG240  
 AAAGGCTGGA GTTCTTTGAC GGCAGCTGGT GTCTGTTGGA CTGGGTATGA TGTCAAGTTG300  
 AACAGTCATG GCCTCTTCTT CTGTTTCCAA TTTCTGTTCT TGATTTTGAA CTTCTCACC360  
 CTCTTCTACC ATAGCAGGTG GTAGTTGTAA TAAAGTCTGA TGATAATGAT GTGTAGTCTG420  
 TATCAATGC ATGTACATGT TGTATACAAA GTTTGC 456

Name: 127 Len: 292 Check: 281  
 TTCCGACTCT TTTCACATGT TTTTCGATAG CACTGCCATT TTGGCTGGAC TGGCAGCTTC 60  
 TGTTATTTCA AAATGGAGAG ATAATGATGC TTTCTCCTAT GGGTATGTTA GAGCGGAAGT120  
 TCTGGCTGGC TTTGTCAATG GCCTATTTTT GATCTTCACT GCTTTTTTTA TTTTCTCAGA180  
 AGGAGTTGAG AGAGCATTAG CCGCTCCAGA TGTCCACCAT GAGAGACTGC TTCTTGTTTC240  
 CATTCTTGGG GTTGTGGTAA ACCTAATAGG AATATTTGTT TTCAAAAATG GA 292

Name: 128 Len: 433 Check: 51D  
 GTAATTTTCA AGTTATTTTA ATAACAGGT TTACATTAAC AGTCACGTGA TGAACTTTTT 60  
 TCTTTAATGT CAGCTAAACT CAAAACACAG TTTTGTTCAC GGTTCAAACC AAACAGCTCT120  
 TCACGTTCCA GAGCTGCCTC ACAGCTAGCA CAGNTCACAG GAGATTACTG TCTGTCCATA180  
 CCCACCAGAC ACAGAAGTGA ACACCCACAC ACCAGTTTTT AAAGAGGGAA CTTACAATGA240  
 ATGCTGGCTG CCCAGGGCAC CCATGAGTGT ATCTGGGNCT CAAGCTGGAG TTTTCCAGGG300  
 GAGAAAGCCT GGGAAAGCTG GTGGCAAGGA AGTTGGGNAT TGCCCCACCT ACTGGGAAAG360  
 GGGTTTCTCA GGGGTTGAGT GAAAATCCCG GGTTAGGNGT CAGCCCTTTG TGGGAAACAT420  
 GGGCACTTTC AGT 433

Name: 129 Len: 372 Check: 21BF  
 GATCCAGGAG CCACACAGCT GCCATGGTTC ANAAGGCCCT GGAAACCGAC CCAGGAGATG 60  
 CCGTGGTTGT CNGCCTTTGC GANTTGCTGA TTCTAACTAT NAAGCCATTG GTAAGGTACC120  
 TCGAAAGGTG GCCAGAAGTA TCTCTGCGG CCCTTCTAGC AGGTGGTCCA CCAGCATTTG180  
 CACTGAAGAA CCAGCGTTGT CTGAGGTTGG GCCACCCGAC TTAGCAAGCA CAAAGGTACC240  
 CCCAGATGGA GAAAGCATGG AGGAAGAGAC GCCTGGTTCC TCTGTGGGAA TCTTTGAGT300  
 CAAGCTTCCA GGCTAGCCCT CCACAACAGG AAGATGAGGA GACTGAGAGA AGTGCAAGAG360  
 AACTTGGAAG GT 372

Name: 13 Len: 439 Check: 1E33  
 TTCGGGTAAA TTGTAATTTT TTTATTGGAA AACAAATATA CAACTTGGA TGGATTTTGA 60  
 GGCAAAATGT GCCATAAGCA GATTTTAAGT GGCTAAACAA AGTTTAAAAA GCAAGTAAACA120

12C

ATAAAAGAAA ATGTTTCTGG TACAGGACCA GCAGTACAAA AAAATAGTGT ACGAGTACCT180  
 GGATAATACA CCCGTTTTCG AATAGTGCAA CTTTAAAGTA CATATTGTTG ACTGTCCATA240  
 GTCCACGCAG AGTTACAACCT CCACACTTCA ACAACAACAT GCTGACAGTT CCTAAAGAAA300  
 ACTACTTTAA AAAAGGCATA ACCCAGATGT TCCCTCATTT GACCAACTCC ATCTAAGTTT360  
 AGATGTGCAG AAGGGCTTAG ATATATCCAG AGTAAGCCAC ATGCAACATG GTTACTTGAT420  
 CAATTTTCTA AAATAAGST 439

Name: 130 Len: 523 Check: 1041  
 GAGCGGAGCC GGAGCGGAAG CCGCAGCCGG GCGGCGGGAG CGGCGGGAGC GGGGGAAGCA 60  
 GGGCGGGCCG GGCTCCATGG CGCCAGCGGC GTCCGCCTGA NCAGCGCGGG CAACAGCGGC120  
 GCGCTCGGCC GGATCGGGCC GCGACACCTC CTGGCCATGG GGGACGTGCT GTCCACGCAC180  
 CTGGACGACG CCGGCGGCCA GCACATCGCA GAAAAACCG GGAAGATCCT GACGGAGTTC240  
 CTCCAGTTCT ATGAAGACCA GTATGGCGTG GCTCTCTTCA ACAGCATGCG CCATGAGATT300  
 GAGGGCACGG GGCTGCCGCA GGCCAGCTG CTCTGGCGCA AGGTGCCACT GGACGAGCGC360  
 ATCGTCTTCT CGGGGAACCT CTTCCAGCAC CAGGAGGACA GTAAGAAGTG NAGAAACCGC420  
 TTCAGCCTNT TGCCCCACAA CTACGGGCTG GTGCTCTACN AAAACAAAGC NGGTCTATGA480  
 GCGGAGGTNC CACCACGAGC CGTCATCAAC AGTGCANGCT ACAAATC 523

Name: 131 Len: 521 Check: 253E  
 AGAGGAAATT GATTAGCTAT GGTGTAAGTT TTCGGGAGAG TCATCTGAAT GTTGTATAT 60  
 CCATAAGCAA TAGCTGCATC TTCTACAATA TCACATGCAT GGATAATGTC AGCTCTGGTT120  
 GGAGGGATTT CAATCTCAAT CTGATTCCCA TCACCTATGA CTTCTGATTT TAAATACATC180  
 CTGGTCAGAA GTTTGGCAAG ATTTCTGGA GTTCTCTGA TTCCAACTTT TTTGTTAATT240  
 AGGTCAGCTC TCACCATCTC CTTTCGGTAA GCTAATTCTG GAAAGGTATG TGATTTTCCA300  
 TTAGGAAAAA CCACTTCAGC AGCTTCGACC GTAAATTGAT TCTACAATA TTCACTGAAC360  
 ATGGTGACAA TAATATCAAG AACTATNTTT GCCTTAGTAA AGTCAGTTCC CGTGCATTCA420  
 ATAAAAATAT TTCTAGTATN TACTGTTATT CTGGAATGAT CCCCATTGAT GATGGGAGGC480  
 ATTGAAAAAG CGACACCATT GCTATCATAG ATAAGTGGAT A 521

Name: 132 Len: 429 Check: 19CF  
 GAGGGGGAGA CGGGGAGCAG ATGCCTCAAA GGGGGTCAAA GAGAGGGGAA GGAAATTGCA 60  
 CATAAATAAA CCGGATGATT CCAAATGCAA GGAGTCTCTA GAGCGGAGCG CGGACGGCTT120  
 TTCCGGAGTC CTGGGCTGTC ATCTGGCGCC TTGGCCCCCTG CTCACTCGCG CTCTCCTCCT180  
 CCTCCTTCTC CTCCTCCTCA CTGCTTGAGC TCCAGGGCCC AGACGTGCTG CGGCCAGCCC240  
 GTCCGGCCTT TGGTTTTCTT GTCGTTGCTG CTCACTGTGC TTTTCAAGAT TTCGTTCTGG300  
 ACAGAGGAAA GCGGAGGGCG AGAAAAGTGG AAAGAGAAAT TCAGAGAGGA TACCTGGTTC360  
 CACACCAACC CGGAGCTTCC TGCGCCGGAG GAGACAGTGA ACCAGAGAGG AAAGGATACG420  
 ATGGGGGAG 429

Name: 133 Len: 442 Check: 5E9  
 TCAACAATA ACTTGGTATT TTATACTTCT CTATACTTG TAGCAATCT TTTTTTGCTG 60  
 AATTTAATTT ATAATAAACT TTTTAAATTA CATCTCTCTC TCTTTTTTTT TTAAATCAA120  
 GGCTCTTTTA TGTCAAAATC TTTTTTTAGC TATATTTTAG ATTAACATTT AACATCCCCC180  
 CCTTGTGATC TATACCGTTG GATATTGAGG TATTACTGTG TGTGTAACAG CTAAAACAAG240  
 AGGGAGGAGG GAAAATAAAG GCAGTGAAC TGGACGGATG CATCAACAAC AGCAGATAAA300  
 GCTAACCCCT CAGTGACCAT AGCAGCATGT CTTCTGGAAG CTTTACTCT TACCCAGAG360  
 ATTTCTCAG CCCCCTCCCT CTCTCCCTCC TATCTCCAA ACACAAAGCC AACAGTCTGT420  
 CCTTTCGCTT TTCTTGAGGA GA 442

Name: 134 Len: 913 Check: F1E  
 TTTTTTTCGA TTCCCTCTCA TTTATTCCTT GTGGAAAAAG AAAACACAA ATCTTAAAAA 60  
 CTAAAGCAAG TCAGGGAAGC CTGGAAAGAT ACCCAGATTT GATAACATGT TAGAAGGAAA120  
 TCCAGGCTAA GGAATCTCAT TTTCTAGCTT TGATCTGGTT GTCAGTTGGG ATGGACTTGC180  
 CCAAGTGATG GCCCACAGAA AGGCCAAAT TCTTGTTTTT CTCCTCATCC TGTACCTCTT240  
 TTTTCATTAA GAATCCTGCC TGGAAGTTTA GGTCAAAGAG GCTGCTTGGG GCAAAATACA300  
 GTGGTGTCTC ATTCCCNAA ATATTTTTCC TTCCCCCCCC CAGGCGTTTC TTCATCCTTC360  
 AGGATTTGAA TTCGGGCGTC TGCTGGAGTG GCCCAATGCT ATATGTCAGT TGAGTTTCTA420  
 AGACTTGGA GGCACAGAAA TGCAGAATGC CACTCTGAAT TGGCCAGAGA ATGACATTCA480  
 TGTCGCCGTG GATCCCTTGC AGAGAGTACA TGGAGCCACT GCCACCATG GTGATGGAAA540  
 GCACTGCCTT CTTACTCCGG AAGGGTCCTT TGTACATACAT GGCAGCGTAA GTGTAAGCAA600  
 ACTCTTCTAT GAACACTCGC TCAAACCAGC CTTTCAGAAAT GGCAGGGACT CCAAACCAC660  
 TGCAGGGGGG ACTGGGATAT CACAAAGGTC TGCGGCTTTC CAGCTTCTTT TTGGTCAGCC720  
 ACAAATATCT GGGCTCAGAT GGGCTTTCTT TATTAAGCAG AACAGATTG GCAGGATACT780  
 GGAAAGTCCC AGGGTCCCTT CAGTTTACTT GGAAGGGCCT TTTGGGAAAG AAGGGATGGA840  
 AATTATGGGA TAAAGGGGCC GATTCCACAA CTTCTTCTT TTTTTTTAA GCCGGTGGGC900  
 AAGCTCCTTA TGG 913

Name: 135 Len: 750 Check: 1FCD  
 TTTTTTTTTT TTGTCATTCA TAGTAAAGT TTATTGAACA GAAACCCAG CAAAGGTTTT 60



124

CACCTCCGCA AAGTTCCCCT TAGTTTAAAG TAAAGCACTG CATTTTAAAA AGCAATTATA120  
CATAAGTCTT TCCTAGAAAA GTCCTGCTAA AACATGTCTA GCAATTTTCAT TGATTATATA180  
AAGTAGTACA CTTAGTGTAA TTTAAACATT CCAACAGGAA TCAAATCGTA CCAGCAGAAC240  
CACTTCTGCA TCTATGACTT CTATGTACAA ACACACATGC AGACACACAC ATTTGGAAAA300  
GTTCCCTCAAG CATAGACATG CAACACCTAA GGCCTTCTAC GTACAGTGCT TATTAAACTA360  
CATAGAGTAT ATATTAAAGC TCTTCAGAAT AAAGACATGA GAAGCCTTGG GCATTNTTTG420  
TTCACCAATT TGTATCACGG CTTCACGTTT CTGCTTTTGC TTGCTCACA AAGCATATCA480  
TCATCCACAC TGTTTTTTTAA AAACCTCATCA TTGCCATGTC CAGGAGAGGC AATCTAGCTG540  
GAGTCAGGTG ATCCAGTCCA TTCCTGTCAA AGCCTCCAAC AGCTACAGCA CAAACACCAT600  
CAGTNTGCCA TGGCTGGGGG GCCTTCTGGA AGAAGAGAGG CAAAGAAAGT CTTGAAGACA660  
AGCCATGCTG TGCTCATAAA GGAGGGGCTG GTCTGCTCGC CATCTAGTAC ATCCCTGTCT720  
TGGAGGGAGG TGGGTTGGGG TTTCCATTTC 750

Name: 136 Len: 348 Check: B6B  
AAAACGACGG CCAGTGAATT GTAATACGAC TCACTATAGG GCGAATTGGG CCCTCTAGAT 60  
GCATGCTCGA GCGGCCGCCA GTGTGATGGA TATCTGCAGA ATTCTGGCTTT TGACACCAGA120  
CCAACTGGTA ATGGTAGCGA CTGGCGCTCA GCTGGAATTC CGGCTGGGAC TACCGGCTCT180  
CACTCCAGAA GAGGCTTCTT CAGAGCATGG TAGTCTTGGG GTTCTAAGAG AATGAGAGTA240  
GAAGCTGCAA AACCTCTTGA AACTGGGGCT TGGGAGTCAC ACATGACTTT CTCCACATTC300  
TGTTCTGTC AAGCGAATCA TAAGGACAGC ACAGACTCAA GGGATAAG 348

Name: 137 Len: 505 Check: 1021  
AAACGACGGC CAGTGAATTG TAATACGACT CACTATAGGG CGAATTGGGC CCTCTAGATG 60  
CATGCTCGAG CCGGCCGCCA GTGTGATGAT ATCTGCAGAA TTCGGCTTTT KACACCAGAC120  
CAACTGGTAA TGGTAGCGAC CGGTTCTCAG CTGGAATTCG GGATTGGTCC AATTGGGTAT180  
GAGGAGTTCA GTTATATGTT TGGGATTTT TAGGTAGTGG GTGTTGAGCT TGAACGCTTT240  
CTTAATGGT GGCTGCTTTT AGGCCTACTA TGGGTGTAA ATTTTTFCT CTCTCTACA300  
GGTTTTTTCC TAGGTCTCAA AGAGCTGTTC CTCTCTTGA CTAACAGTTA AATTTACAAG360  
GGGATTTAGA GGGTTCTGTG GGGCAAATTT AAAGTTGAAC TAAGATTCTA TCTTGGACAA420  
CCAGCTATCA CCAGGCTCGG TAGGTTTGTT GCCTCTWCCT ATAAATCTTC CCCTATTTT480  
TBTACATAGA CGGGTGTTCT CTTT 505

Name: 133 Len: 513 Check: 117D  
AGGGCCGAGT GGAGGTGCTG GTGGAGAGAA ACGGGTCCCT TGTGTGGGGG ATGGTGTGTG 60  
GCCAAAACCTG GGGCATCGTG GAGGCCATGG TGGTCTGCCG CCAGCTGGGC CTGGGATTCG120  
CCAGCAACGC CTTCCAGGAG ACCTGGTATT GGCACGGAGA TGTCAACAGC AACAAAGTGG180  
TCATGAGTGG AGTGAAGTGC TCGGGAACGG AGCTGTCCCT GGCACACTGC CGCCACGACG240  
GGGAGGACGT GGCCTGCCCC CAGGGCGGAG TSCAGTACGG GGCCGGAGTT GCCTGCTCAG300  
AAACCGCCCC TGACCTGGTC CTCAATGCGG AGATGGTGCA GCAGACCACC TACCTGGAGG360  
ACCGGCCCAT GTTCCTGCTG CAGTGTGCCA TGGAGGAGAA CTGCCTCTCG GCCTCAGCCG420  
CGCAGACTGA CCCCACCACG GGCTACCGCC GGCTCCTGCG CTTCTCCTCC CAGATCCACA480  
ACAATGGCCA GTCCGACTTC CGGCCCAAGA ACG 513

Name: 139 Len: 340 Check: E2C  
TTTTTTTTTT TTTTGAAT GAGTAAATTT ATAGCTTTAT TTGCATACAG AAAAGTGCAT 60  
GAGAAAATAA GTATGTACAA AACAGTTGTG TGGCTGATCA TGACTTTCAA AAATTCAACT120  
ACCTAGAAAT AGTTACCTCC AGTTTAGCAC ATTTAGGTAT TTGGACATTT AAAGTACTAT180  
TTCAAGTCTG TGTTTATAGT GACTGAGTAG GAAGCTGATA GAAPATTATG CCATATATGA240  
TCAACTATTA CCATTAAACA TAAACCACA GGACTTTCTA CTTGGGGCTA ATCAATAGAG300  
GGTCATGTGG CCCCTGTCTT GTTAGCTTC TGAGCATCAC 340

Name: 14 Len: 486 Check: 1FA  
GCTAGGAAGA TAGTTGTTAC ATACTGAAGT AGGTTATTAA ATAAAGTAAT GAAATATCTT 60  
TGAACATATA TATAAATAGG ACAGGCTTAT ATTCTAACTA GTTTGCGGTG TTTTCAGCTA120  
ACTCTATCAC ACCTAACCAT CTGTGTAAGA CTTGATGCAT TTTATATCAT TTTTAGGCTG180  
GGCTAGGAAA CAACAAAATC ACAGATATCG AAAATGGGAG TCTTGCTAAC ATACCACGTG240  
TGAGAGAAAT ACATTTGGAA AACAATAAAC TAAAAAAAT CCGTTTCAAG TACCAGAGT300  
TGAAATACCT CCAGGTAAAA CATTCTACTT GTGTTTCAAGT GNTATTGGGT ATTTTTCCTT360  
CAGGTTTTTA ATAACACACT TTAGGCACAC CTCAAGCAAA GGACCAAGTA AGGCAGCAAG420  
GGGTGGATT CAAACATAATG ACTCTCCAGG TTGCATGAGG TGTTTTAAGA AGTAGGAGAG480  
CTTTAN 486

Name: 140 Len: 334 Check: 1A0F  
GGCCTTTTGG TTCCAGAAAA ATAGAGGGGA TCTCTGTGGA GCCTCTTTGG TTTTTCATCA 60  
ATTCTGGGGC TATTTAAACT AGCCATTTCAT CTAACGAGGG CCAAAGCAAT TCCAGAGGCT120  
TGAACACCTG GCTTTTTTGA GTTTTATTCC CATTGTAGCC CATATCAATT CCATTACTGG180  
GGGAGGATGG ACCAATTCGA AAGACGTGAC AAAACATTCT CACAATCCTT AAAAGGCTCT240  
TCAATTTGAGC ATCATAATTG CTAGAGAGGC TAAGCAGTTT ATGACCATTT GTTGTAGCAA300  
CTTCAGCAAG GCTTGTTAGA ATCTTTAGGT ACTG 334

122

Name: 141      Len: 497      Check: 1A2F

TTTAAGGTTA CACGATTATT TATTGAGAGC CTCCTCTCCC CGCCCTTGCA ATCTCTAGGT 60  
 CACTTTCTCC GCTTGTAGAT TTTGCGCGCA AGCCCCAGAA AGACGGCTGG GGGCAGGGGT120  
 GCTGCGTACT GTTCAATGAG AGCCATAATG TGGCTGTAAC TGTCTTCCIC ATATTGCAAG180  
 AACACTGCTG GCAGATCCAG CTCCTCATAT AGCGCCTTCA CCGGGGCCAC TTTCTCAGCC240  
 TCCTTCTGCC CGTAATTTTC CTTCAGGATC TGGTACTGTT CTGGAGTGGC CCGTTGCAGA300  
 CACTGAACCA CCAGCCAGCT GCATTGTGTTG TCCTGGATGT CASTGCCAAT TTTGCCGGTC360  
 ACACTGGGGT CCCCCAAGAG GTCAAGGTAA TCATCCTGAA TCTGAAAGAA CTCCCCCATC420  
 TCCAGCAGGA TCTTCTTGGC ATTGGCGTGC TCCTTCTCGC CATCAATTCC TGCCATGTAC480  
 ATGGCTGCAG CTATAGG 497

Name: 142      Len: 353      Check: 1801

TTTTTTTTT TTTTAGAGAT TGTTGTGACT TTTATTCAAT TTGAAATCCG GATTAAAATA 60  
 AAAGCAGTGA GAGCAAAGCT TTACAAATAT TACATTACTA CGTCATTGAT ATGGCTTTTA120  
 CACTGATTGG ATACAGGAAA AAAAAAACC TAACATTAGA ATTAAGGCAG TAACAACATG180  
 TGCAAACCCA GCACACCCCC TGACAGTCTT CAGTAGAAAA CTACTCTGGT CAGGTGGTAT240  
 CTGACATGGC TGCATGCAGG TCTCATTGCA TGGAAAGGATA GGTCTTGAAG AGCTTCATT300  
 CTTAAAGGGG AAAAGGACCC TTCTCACTGG CCAACGATGG CCAGGAGCAG CTT 353

Name: 143      Len: 559      Check: 225B

ATGCTTCACA CTTGGTTTGC TTATATTGAT CATTTAAAAA GAGATATTAA TCTTACCTAT 60  
 TGCCATGAAT ATTTCAATTA CATTCAATGA TGTTTATAGC GATGTCTCCA TGAATAATAA120  
 ACTATTGTCA TCTGCATAGG ACTGTGCTTC CTGGAAATCT ACTGCTCTTT TATTTGCTAG180  
 GTCGGCCTTG TTTCCCGATA AAGCTATTAC AATGTTAGGA CTTGCTTGCC TCTGAAGTTC240  
 TTTAACCCAA TTTTGTGCTC TTGCAAAGCA CTCCTCATTT GTGATATCAT ATACAACAT300  
 GGCTGCTTGT GCTCCTCTGT AGTACATTGG TGCTAGGCTA TGGTATCGTT CTTGACCAGC360  
 TGTATCCCAT ATTTCAAAT TACTGTAGT GTCATCAAGA CATACAGTTT GGGTTAGAAA420  
 AGCAGCCCCA ATGGTACTCT CTTGAAATCA TGACATTGGC TTTCAAAAA CAAGCACTAG480  
 GCTTGATTG CAACAGCGGA CTCTCCCGA GTACTAGTTT GAACTGCATA TNTATTTCCA540  
 GTATTGGCCC CGTGGGTCT 559

Name: 144      Len: 572      Check: D1C

TTTTTTTCC TTTTAAATGC TTCTTTTATT TCATTGGTTG TACATTGGGT GAGTGAAGT 60  
 AATATTACAA CCAAAACATA GTATTGATAC AAATTAGACT CCTGTTTACA CTGTAAGTA120  
 ATGAATGAGG GAATTCCTTA AGTGTACAG AAAGATTTAG TAGAAATGTT ACCAGTGGTA180  
 TGGCTGAAAG AATATTTCCG TGAAGTGCTG TTATATCCTG AAAACCAAGA GTGAAATGTA240  
 GTTCCCATAC AAGTGGAGAG TTAGTCTCTT AACTACAGTA TTTGTTGAAC TGATATCTTC300  
 ATGTCTTGA TATTGGTGAT TTTGTTTTT TAATTAAACA AAGCATTTAA GATTTATTCA360  
 TCATAGTCAG ACTTCTGAAT ATAAACAAAC TTTTGGCAA TAATATTTAT ACAGAAAAAT420  
 AGTTTTAGAT CCTCTCAAT CCCAGAATTA TTCTATAAAA TTACATTATA AATAAATAAA480  
 AAGCAAAATC TGTTGTACAT ATATTTGTAC ATCTATGCAT TTGCCCTGCC TCCTCCTTAT540  
 TGTAAATGGC ATATTTATGA CTCTTTGCAT AT 572

Name: 145      Len: 402      Check: 1D03

TTTTTTTTT TTTTGTCT TAAGGAAGTT TTTTGGCATT CTTTTTTTTT TTAGATTACA 60  
 ACACACATAC AATAAGTGAA TTTTATCAAA ATACAGCACA TTTCTTCTAC TATATCCATA120  
 AAAATCAATT CCTATGTAAA TAGTACTGAA AATCAACTAA AATGAGTTAA AATTTACAAA180  
 GAGTTGTAA AGGGTTTCAA TCAAAATTAT TAAACTATA CAGTACAATA ACCAATTGT240  
 AACATCTTGA AAGAAGTGCA ATATTTGAGT TCACATATTT TAAAAGTGC TGCCCTACTA300  
 CTCTGACTAG CAAGAATGGA AAGTGAGTCC AACTCACTTT TGCAAAAAATA ATGTTGGTTG360  
 GTGTTTTAAG CTAGTCTTAT AAAAGTCTTA ATTAAATCA AG 402

Name: 146      Len: 482      Check: 28

AGTAGAAACA AAGTATGTTT AATGGTTGCT TTGGAAAGGG GAAGTGGGCA CCTCATGCCA 60  
 GGGAGATTTA AAAATGAGAC TTTTCAAGCA AGCACTGCCT ATAGCATAGT CTCATATTTT120  
 GAAAAATTTAA ACCTAATTTT AATTATATAT AAAGAATCAT TTTAAAAAAT CACACCCACAL80  
 AGTAAAAAAC TGGTAATCTG TTTACAAAGT GCAGCGTCAG TACAGCAAAC TCATCTCAAC240  
 AAAAGATTAT GTGTGGTTTC TCGGGCTTTA AAACCTCCCT GGTTTCCATT TAAATGCTTT300  
 AACATTGAGT CATCCTGCAT ACATGAAAAG CCTGTGTAAT GAAGCCTGGG TCCTTTAACA360  
 CCTGCTATTA ATTAATTTCA ACATAAGTGA GTATGAGACC TGNGAAGTAA ATTGTATCA420  
 TCTGATTGAT GAGGTACAGA TTATCTGAAT AAAATTTCTG ACCTGGTTAT GAGTCAGTAA480  
 TC 482

Name: 147      Len: 489      Check: 149E

TTTTTTTTT CATTCCTAAG TTTCTTTATT CTTCATAGTT TTCTAATGAA CAAATAGTTA 60  
 GTTTTCTCTGA GTAAGATTAT AAAAAAGTTA ACCATTCTTC CAAAAGTATA AAGACAAATA120  
 AAATGTGAC TCATAATACA AATTTTTTAC ATAGCATTA AGGTGCAGAT ATTGACTGCC180  
 CCTCTTCATT ATGATTGGCC CACCCCTTAA AAAGACTGCA ACAGAGGATT CAATTGTCTA240  
 AAATACTTCG AAGTACAGAA ATTAATGCT TTAGCCCAT AACATATCCC TCATCTATTG300

123

IGTTGCTAGG GAACACATGA GCAAAATCTA TCAITCGCAC TTCTACTTCA GCAATCTCTT360  
GGCAACCAGT GGGGAAGATGG TAGAAAACCTT TNTCCAGTTG GGAAAGTACA TTTCCATTTA420  
AATGTTCTCTG TGACATGCTT TTCCACCCAT TGTCTTGCTC CAGATTTTCA ACTTTCAATG480  
AAGTCTGAC 489

Name: 148 Len: 372 Check: DA7  
TTTTACCTTT TAATTTTATA TTATTTGCGT CATACTTTTC CTGTAACGGA AGTGTTAATT 60  
TTACTGTACT TTTTGGIACC TTTTGGGAAT CTAATGTATT GTAAGGTATT TTACACGTGT120  
CCTGATTTTG CCACAACCTG GATATTGAAG CTAITCCAAGC TTTTGAAATA AAATTTAAAA180  
ACCCCAAGC CTGGGTGAGT GTGGGATATG CTGTGTGAGA CCTCTTGCTC AGGGTCGAGG240  
GAGGCGNGGG GGGGNGNNNC CNNNNNCCCT NNACTTTTNC CTCTCTCTGC NNCANGCTCT300  
TCCAGCTTGA GGCCCACTTG GGGGGTATCC TTTAAGGACT GCCTTGCCTA GGGCTGGGCC360  
CCCTTTTCAA GA 372

Name: 149 Len: 491 Check: CA  
GTTTTTAAAA CAAGCAAATT TTATTAAAGG AAAATTTTGC AGGTTTAAGG TTTGCAGGTG 60  
AAATTTTGTG GGTGAAAAGG TTTACTTTTC ACCAGTCTGT TCTGGCAATG TTCTAATGAT120  
GTCAGAGTCA CCTGGATCAA TGATAGCCAG TGTGCACACT CTGTAGTATT TTCCGCATGC180  
TGTGCCCCAGT TCAATATTAT TGCCACTGTA GTGATGGACA CCAGTTTATG CCAACATAGC240  
ATAGTACTCT ATTTCCAGAT TCCTCAAAGC TGGGCAGTTG TTAGCGAGAA TGACCAATTT300  
CGCTTTGCCCT TGTCTGATCA TCTTCAGAGT CTGCTTGTAC CCCAGGACGT ACTTCCCACT360  
TTTCATAACG AGTTGGAGCC TAGAGTTGAT CGACTCCAGC GACTTTTTTCG TCTTCTTTGC420  
GGCCACCATC TTCCTGCCTT AGGAGCGGGA CGGCCCCCAA CCTAGAAGAG ACAGAGACA480  
GGACAGGAAT T 491

Name: 15 Len: 601 Check: 1356  
CGACAACCTGT GCTGACAACC CATGTTCTTG CAGCCAGTCT CACTGTTGTA CACGATGGTC 60  
AGCCATGGGT GTCATGTCCC TCTTTTIGCC TTGTTTATGG TGTTACCTTC CAGCCAAGGG120  
TTGCCCTTAA TTGTGCCAGG GGTGTTATGA CCGGGTTAAC AGGCCTGSET GCCGCTGTAA180  
AAACTCAAAC ACAGTTTGCT GCAAAGTTCC CACTGTCCCC CCTAGGAACT TTGAAAAACC240  
AACATAGCAT CATTAATCAG GAATATTACA GTAATGAGGA TTTTCTCTGT CTTTTTTTAA300  
TACACATATG CAACCAACTA AACAGTTATA ATCTTGGCAC TGTTAATAGA AAGTTGGGAT360  
AGTCTTTGCT GTTTGCGGTG AAATGCTTTT TGTCCATGT CCGTTTAAAC TGGATATGCT420  
TGTTAGAACT CCAGCTAATG GAGCTCAAAG TATGAGATAC AGAAGCTGGG TGANCCATGT480  
ANTGCATAAG CTAAAGCAAC ACAGACACTC CTANGCAAAG TTTTGTGTTG GTGAATAGTA540  
CCTTGCAAAA CTTGTAAATT AGCAGATGAC TTTTTTCCAT GGGTTTCNCC AGAGAGAATG600  
T 601

Name: 150 Len: 455 Check: 2543  
CATGTTTAAAT TTATTATTAT TGCAAAAGAA CAGTTTTTCT CATGATTAGT GAAATAGAAA 60  
ACTCACAATA TACTTAAGAG TCTGCAACAA GTTACATAGA ATCAGAGGCA CTTCAAAGGC120  
TTAAAAAGAC GTTTTCAACT TAAATGCATT TTTAAGAACA AAACTGATT TTTCTTTTAA180  
CCTCTACTCG TACCTTCAAA TTGCAAGAAA TTAACAAATA CAGTGGCCAA AGGAATCTGC240  
AGCAACTTCT TAAATACTG TTAACATCTT TGGGTTTGCT GAGGCTTGTC AGTAACTTAC300  
ATCAAACTCT CCCAAAGAA GATCTGATTA GATAGATATG ACTAAACGGT TTTGTAGTAA360  
TAATCCAATT TTACACATTA ATTTGCTGTT GCAAATCTGC CCAAGGCTAC AGGTAAATGAA420  
AAATAAGCA AGTGTAATAAT GGATAGTCTG ACAC 455

Name: 151 Len: 465 Check: B93  
AGCTTGTCGA CGCTSTCGCA GGGGTGGATC CTGAGCTGCC GAAGCCGCCG TCCTGCTCTC 60  
CCGCGTGGGC TTCTCTAATT CCATTGTTTT TTTTAGATTG TCTCGGGCCT AGCCGTCCTT120  
GGAACCCGAT ATTCCGGCTG GGCAGTTCCG CGGCCTGGGC CTAGGGGCTT AACAGTAGCA180  
ACAGAAGCGG CGGCGGCGGC AGCAGCAGCA GCAGCAGCAG CAATCTCTTC CCGAACACGA240  
GCACCACAGG CGCCCGAAG CCGGAACAGG CGTTTAGAGA AAATGGCAGA CGATATTGAT300  
ATTGAAGCAA TGCTTGAGGC TCCTTACAAG AAGGTGAGAA AAAACATGTC GGTGAGGTTT360  
ATATATTTCT TAATTTAGCA TTATTACGA AACTACTGCT GAAATGTAAA CTAACCTTCC420  
CGGAGCCCTC TTGATTTATC CTATTAGAGA TGCTTACCT TGTAC 465

Name: 152 Len: 386 Check: 1BC9  
TCCTTCTTAG TTTTCTTCCC AAATGGTTCC TCAGCCCCAG TGCTGGGCCC TGAAATAGGC 60  
CCAGCTCCCT GTATAGTCC CACAGAGCTG GCCACACCAT AAGTCAGGGG CAAACTGGAA120  
CTGTGGGAAG GAGCTGCAGC CTGTACTTCC CCTTCAGTTA GAGCCTGAAG CTGGAGGAGC180  
TTCTTTAGCA AGTACCTTCT TTCTTCTTTT GCTTTAAGAA ATTTTCTCTC AAGACGAGCA240  
ATTTATCAC AAATAGCAGC ATTTTCAAAC ACCGTGGCCT TGGCCGCTTT GCGCAGCCGC300  
AGGTACTTCA GCCGGTACTT CTCATTCTGG CTCTTCTTCG GGAGCTTTTT CATCCTGGCC360  
TTGCTGGACT GCANCGGAG CCGCGG 386

Name: 153 Len: 601 Check: DA2  
TTTTTTTATT GGCTTGTTTT TTATTTCTAT GCTTATAAAA AAAATATGAA GCTTCTTTGT 60  
GTGGACTGAA GGGGTGTTAG CCTGTGGATG TTGGTCTTCG GTGCCTGTAC CCCAGTGGCT120

124

GTTACATTC CAGGCCCTG CTAAATAAAG CAGGCTCCAC TGCCAGCTGT CTGTACACTT180  
 TTTCTTGGGG GAAGAGTTCT TGTCTTCAGT TTACTGCAGT AGGGTTCTCT GCTCTGTTAC240  
 ATGCTCATGT GTTCCGGGAG AACATATGAA ATATCATCCC ACGGATGACG ATACAGCCCC300  
 TGGTTAGGCC TCTTCTGATC AAGATAGTGT CCAATGAACC CCATACTCCT TCCCAGCACA360  
 AAGATGCCAT TGAGGGCTCC AATGTCAATA TATTCATCAG CTTCTCTCCG AGTAAAGGAC420  
 CCACAGTTTC TAAGCATGTC TACAAATGCG ACTCCGATGA GACCATCTAC ATTCAGGATA480  
 AGATTTGGCT TCTTCGAGGT GTAATCTTCT CTACTTCCAG TGCATAAATC GAGCAGAGAG540  
 TGGCCANGGA GTGCTGCCCT GCGTAATCTT TTGAGATCTG CACTCGCATG TTCTGGGTGT600  
 T 601

Name: 154 Len: 340 Check: 21AF  
 GCGTTTTTCAT ACTCTTTTATT GCCAACGGTT TAAATGGTTC AACATAAAAA AAAAGACAT 60  
 TTTGATAATA AATACTGCTC TTTGGGCTGT AATAAATAAA AAGTTTATTA ACAAGGAATG120  
 CACTTTTCCA GCCACAAGTA TCTTCAAAAA TTAATGAAAA AAAATTATAT ATGGCCATAG180  
 TTCACAGTTA CGCAGCCAAA AGCTGCTCCA ATTACAGCCT TTAAACAACA TGGGAGCTTC240  
 CTCCCTTCTC CCTCCCTTTC AGGAAGTATA TTCACAGTTC CAAAGTCTTC TGGCTGAAAT300  
 GCTCTCAACA GAGAGAATTT AAGAATCAAT GCACCTTTCT 340

Name: 155 Len: 759 Check: 21EB  
 CCTGGTCCTA CTTTCCCTC CTCATCTTCC TTTTCTCAC TGTCTGACTT TTCCTCACTG 60  
 TCGGACTTCT GTTGCTTTTT GGTTCAGAC TCTCATCTT TCTTTAAGTC TGCTTTTGGT120  
 CCTTTGTATT CATGTGTGTA CAGAGGCTG AAGGAGTCAA TGAAGCCCAC ATCAGCAGTC180  
 AGATTTGGCA AGAACCAAAA GTGGTGCCTT CCTCCAGTTA TGAGCCAAAT GATGAGAAAT240  
 AGAATGCATC GAGCAACAGC AAGGAGAAGA ATACTGGCTA CAAAACAGCC TGCACCCACA300  
 CTGAGGTAAT AAACACCTAC TCTCATTTCT GCTGGCCAAA GGGGGAAAGAG GGTGGCCGCT360  
 ATTACTGCAA TCACAAGAAT TAATCCCATG ACAAATGTTT TAAAGTGAAC TGGGTGATAG420  
 ATCCATACAT ACACCTCATT TCCATCCAGA AAAACCTGAT CATCATGTGG CTAAGTTTGA480  
 ATTTTTTCTA GTTTCCTTCT TTTNTAGAGT TCCCTGAGTT TCTCTCTTTT TGATTTCTTCT540  
 TTTCAACATC TTTTNTTCT CTTTTCTTCT TTTTGGCTCT CATCCCTTAT ATTTNCTTCT600  
 TGCTCTTTTA TCNTCTCTTT TCACTNTCAG CTTTCCCTTA TCTTTTCTT TCTATGCTT660  
 ATCATATTCA TTCCATACCT TAGGGGGCTG TGAAAAACTG CTCTAAAAAC TCTGTGAGTC720  
 ACCACAANNNT CCCCTGTGAA TAAGTNTCT CTTCTGCTT 759

Name: 156 Len: 703 Check: 24F3  
 TTTTGGAGAA TACACAGGGA GCTTTATTAT ACAAATGGC GGGGTGGGG GCGGCAAGCA 60  
 GCGGATGGCA TCAAAGAGGC GAGGGTAGGT CATGCTGGCA ACAGGAAGCA ACTTCTTAGC120  
 CAGGGCCGGG GGGCGGGTGT CTGGCTGGAA TCTCCCCTGG GTACATGGAG GGTGCCAGCC180  
 GGCTGGACCT GCAGACCCAG GAAGCGAGAT GGGACGCCA GGGAGCCGG CCCCCTTCCA240  
 CAAGCACCTT CTCATACTTC CCATGCCCGG TGGCCACAAA CTTATACCTC TTCCCAGATG300  
 GGGTGCTCTT AATTGTTGAT GAGGTCTTGG AGCCTCCCTT CTGCTCCAG AGGCTTTTCT360  
 TGCTCATGTC TCCAGCCACA ATATCCTTGC AGGACGGAGT CTTGGCCGCA GACTGAGCCT420  
 GTACCTCACC CGTCTCCAC CGACTCTTGG TACTGGCCAC AGCCATGCTG GGCAGCTCTA480  
 TGGAGGCCCTG GCNNGGCTAG CTTGGGGTCC GGGCCAGCGT CTCCAATGGC CTGGTGTATT540  
 GTTCCAGCCA CTGATCAATC CTGGAGATGG GCAAGTCTTG CCTGGATTTT TTCACACTGG600  
 TACTCTTCTT TATTGGAGCG TTTAGGGGAC TCGTCTGTG NATGAAGTTG GTGTNGGCTC660  
 CAGGGAAGCG AGCTCTGGTC GATGTCCCTT CAAAACCAAG GGG 703

Name: 157 Len: 757 Check: D7F  
 CTTGGTGTGT CCGCTTTAGA AGGTCAAAC TCTCGTGAAG CTCTTTCTCT GCCTCCTTAA 60  
 GTTCAGCTTC TTTCTCCTTC ACTCTCATAA CAAACATTG TCTCATTTCT TCTTCTTTCT120  
 TCTGCAGTTC TCCCAGGAAT TCATTCCTTT TTGCTTCATA TGTCTCCTGA AGACTGAAGG180  
 GTTTGCTGTC AGGGTCAAGT TCCTTGAACC CCATCTCTTC AAGCTTACAG CGTCCGTACA240  
 ATTCATAGTG CCGGGTGTGA GTCTGCTCTC GCAAGTCTC CATGTTACAG CGGATCAGCA300  
 TCTCTCGAAG TTTCAAAAA TCGCAATGAT TTTTATTCTC AACCTGCACC ACACCCAGG360  
 GGTACTGCCT GGCCTTTGCC ATCTTGTGTC CAATCTTCAC CTCTTCGGTG CTGCCAACCA420  
 CTGCAAAATGG GAGATGGACA CTCATTGTTG CGTTAATCTC TGCCACCGTT TCTTCATCAG480  
 TGGGAAACTG ATATATCTGG ACCCATTTG TGACCAAGTTC ACTCATGATC TTAATCTTGA540  
 ATNTGTGCAG TTCACTCTTG GCAATGTGTC AGCTTTTGCA AATATTGGGA ATGATGTCAC600  
 CTTACTGTCC AGCTTTTTCA TGGTGACCAG ATCCCAGGGA CCTTAGTGAN TGTCAGTANG660  
 GGGCAATAAG TAGAGGCAAG GCATGAATCC TCGTGTGATG GTAGTTTGAG AAGAGACCGT720  
 TAAATCTCAT TTTNCTCTGC NGTANGCCCT CGAACTG 757

Name: 158 Len: 455 Check: E81  
 GGAAGTAAAA AAACCTGTTT CAGGCTTATC TTATTGCTAC ATAATGACTA CTTCAAGGGT 60  
 CATCTGGCCC GTCGTCAGTC ACTCTTAGAA GTGGTAAATA CAGTGGTATA GTTTGGAAGG120  
 AAAGGAGGAA AAAAATAATG CATTGTGATA CAAAAATATT ACCTACATAT AAATTATTAA180  
 AGATTTATTA AACATTGAGA ATATGTTCTT GCTATAAAAA CAATATACTT AAATATAGAA240  
 GCAAAAAGTC CTGAAGCACC CGCAATTATT TTAATATCCA TTTAATCAGG GAAACTATA300

125

TATGTGGATA TATAATACAT ACATATGTAA TAATTTGAGA AGAAAAAAGG CAAAATTCTG360  
 ATTATAATCC AAAAAGAGTT TATCTAATTA TGGAGGTAGG TCTCCACTCC AATTATACAA420  
 ATAAGTTATC AGTTTTATTC AAAGAATTAT AAGTC 455

Name: 159 Len: 486 Check: E17  
 TGGTTTTCTT CAGCCGCGAGT CTTGTCTGCT CTGAAGAAAA TTCTTGCACT GCTCAGTGAG 60  
 AAATACAGCA ATTCAAATTC CTGTAGATAG ACATCCAGTC GCTTCTGAGT GAGATTCATG120  
 GTTTGTAAAG GTTTTTTCATC TTGACTGGCT GACTGTACAT TCTGTTGCTT AGCAACTGCT130  
 CTEATCTCCT TCAGGTATTT CTCTCTAACA GACTGGAACC AGTGAAGTGA ATCAAACCTCC240  
 CGATACTGAT CCAAAAGCTT TAGAATGTAA GCCACACCCA TGGCAAAGCC ATCATCAGTA300  
 AAGGCAGCTC CAATTTTATT TTTTTTATTT AATTTTTCCT TGCAACTAAT GGAATGCTCT360  
 ACAAGTTGA GGGTCAGAGG GGGAAACAATT ATATAGAAAT TTCGGAGATG TATATTCTTT420  
 GGCTTCGAA ATTCTGGAGC AAAAACGTCT ACAAGCATTT TGAAATATTC TGTGCCTTCG480  
 GCAGAA 486

Name: 16 Len: 511 Check: AC8  
 AGAGGATCGC CAAGGCCGCTG AACGAGAAGT CCTGCAACTG CCTCCTGCTC AAAGTCAACC 60  
 AGATTGGCTC CGTGACCGAG TCTCTTCAGG CGTGCAAGCT GGCCAGGCC AATGGTTGGG120  
 GCGTCATGGT GTCTCATCGT TCGGGGGAGA CTGAAGATAC CTTTCATCGCT GACCTGGTTG180  
 TGGGGCTGTG CACTGGGCAG ATCAAGACTG GTGCCCTTG CCGATCTGAG CGCTTGGCCA240  
 AGTACAACCA GCTCCTCAGA ATTGAAGAGG AGCNGGGCAG CAAGGCTAAG TTTGCCGGCA300  
 GAACCTCAGA AACCCCTTGG CCAAGTAAGC TGTGGGCAGG CAAGCCTTCG GTCACCTGTT360  
 GGCTACACAG ACCCCTCCCC TCGTGTGAGT CAGGCAGTCG AGGCCCGGAC CAACACTTNC420  
 AGGGGTCTTG CTAGTTAGCG CCCACCGCCG TTGAGTTCGT ACCGTCTTA GAATNTACAG480  
 AAGCCAANTC CTTGGAGCCT GTTGCANTCT A 511

Name: 160 Len: 638 Check: 251  
 GGGGCTCCTC TTCACCTTCT TTATCTTCAT CATCTGAAGA CTCTTCTTG TTTTCTTTT 60  
 CATCTTCATC ACTACTAGAT TCATCTGACA GAATTTGAGG ACATTTGGTT CGCTTAGCCT120  
 TACTTGCCAT TCCAGAACTG TTCCGGTCTT TTTTACTGCC TTTGCTACAA GACTTTTTTA180  
 ATTTCCGGCAA TGTTTGGCCA GAACGCTTTG GATGCATTAA GAAATTCAG ATCCTCTTCA240  
 CTAGTTCACT ATTTACACCT GATCTCTCCA AATCAAGAAC CTCACAGATG CTCTTTAACA300  
 TGGCATTTCT AAACCTTTTTC AACATTTCTT CCTTCTTTTT ATATTGGACA CTCTTTT360  
 CAAATGGAAA GCCACTGAAC TGACCCACAT TCTTCTTTAA TGAGGACACA CAGCCTGGCC420  
 TGTTGTAAAG CACTTTGTGT ACATATCTAA GATCATCCGT TTTCTTCTTA CTAGAAAAA480  
 CATGTATGCT CTCAATTTCA CAAAGCGTCT GCGCTTTTCC TTGCTGCATT GTAAATGCT540  
 CTCTCTGCAG GGAGAGACGT GCATTGGCAC CTCTCTACTT TTTCTTTTCC CTCTGCTT600  
 CCCGAAAGAA CCTTTTTTTT TCTTCTCTCT CTCTCTC 638

Name: 161 Len: 845 Check: 445  
 GAATTCGGCA CGAGCCTGTC TGGAGGAGTG GTAGTGAGTG CTATATTCTT CATTTTGTCT 60  
 GCCAATATCT TATCATCTCC CTCTAAGAGA GGACAAAAAG GTACCCCTTAT TGGATATTCT120  
 CCTGAAGGAA CACCTCTTTA TAACCTCATG GGTGATGCTT TTCAGCATAG CTCTCAATCG180  
 ATCCCTAGGT TTATTAAGGA ATCACTAAAA CAAATTCTTG AGGAGAGTGA CTCTAGGCAG240  
 ATCTTTTACT TCTTGTGCTT GAATCTGCTT TTTACCTTTG TGGAATTATT CTATGGCGTG300  
 CTGACCAATA GTCTGGGCCT GATCTCGGAT GGATTCCACA TGCTTTTTGA CTGCTCTGCT360  
 TNAGTCATGG GACTTTTTTG TGCCCTGATG AGTAGGTGGA AAGCCACTCG GATTTTCNCC420  
 AAGGGTACGG CCGAATAAAA ATTCTGTCTG GATTTATNAA TGGGCCTTTT TCCAAANAGN480  
 AAANAGCGGT TTTTGGGGTT ANGGGAGNCA AGNGGCAAGA TGGATTGGAN CCCCCAGGAA540  
 TTAAGGCNNC CCACANNNGA AACACCCAGN NCCANTTGGN GGGNGNNNAA NNAACCCTN600  
 ANTGGGACCN GGGNCCCTNA NCCAAGGCCC AAGNCANGCC CAGGGGGGCT CCNCAAGGGG660  
 AGNNGCANCN AAANNGGGNC AAAGGNCTTT CAAACNCANN GGNGGGNCA AGGGACCCNG720  
 GGGNGGGGGC AACCNCGGGG TNNGGGGGGG GNGNAAAACN CAAAANNGGG GGGNATCCCA780  
 AAAGGTTGGG AAAAACCNTG GNAAAANGG GGNNGGNCC AAAGGCCNAA AAANGNGTGG840  
 GGGGC 845

Name: 162 Len: 496 Check: 176A  
 TGTAATACCT COTCATCTTT TCTTCTTACA CAGTGTCTGA GAACATTTAC ATTATAGATA 60  
 AGTAGTACAT GGTGGATAAC TTCTACTTTT AGGAGGACTA CTCTCTTCTG ACAGTCCTAG120  
 ACTGGTCTTC TACACTAAGA CACCATGAAG GAGTATGTGC TCCTATTATT CCTGGCTTTG180  
 TGCTCTGCCA AACCTTCTT TAGCCCTTCA CACATCGCAC TGAAGAATAT GATGCTGAAG240  
 GATATGGAAG ACACAGATGA TGATGATGAT GATGATGATG ATGATGATGA TGATGATGAT300  
 GAGGACAACCT CTCTTTTTCC AACAGAGAG CCAAGAAGCC ATTTTTTTT CATTTGATCT360  
 GTTCCAATG TGTCCATTTG GATGTCAGTG CTATTCACGA GTTGATCATT GCTCAGATTT420  
 AGGTTTGACC TCAGTCCCAA CCAACATTCC ATTTGATACT CGAATGCTTG ATCTTCAAAA480  
 CAATAAAATT AAGGAA 496

Name: 163 Len: 491 Check: 21BF  
 TAAGGATTAA AAACGATTTT AATTATACAC ATATGGTCAC AATTTGCTT TAAAAAGATT 60

126

GTTGGGAAAT GTACATAAGG CCGCTTGTAA ATGTACATCG TGTTACTGTT ATGTCTTATG120  
TCCAGAGGAA AAAATGTTAT CATACAGATT TGCTCTTACT TGGGAGTAGG CTATTCAAAA180  
ATACAGTACT CTTCGTGACA AAGAAAAAAG TCACATCACA TTTAATAAGA TGAAAAAAGC240  
ATTGGCCTCC ATGGTAACCA AATATCTCAG TCCAATACTT TCTATTATGC ACAATACCCCT300  
GACTTCAATT GAAAGTGATC CAAATTCTAG CAGGTCCATA TTAACAGTCA ACAACTATGT360  
TATAAAACAA AATGATCTCA CAATAATAAA AAGAAAGCTG GTTCATACTT CTGAAACCAT420  
ATAAAGATAA AAAATTTTAA AAAAATCACT CTCGATTGG AGAAATAAAT TTACATTATA480  
CAACACTATA T 491

Name: 164 Len: 457 Check: 1689  
TTTTTCTGTT TATGACACTT TATTGATGCT GGGGGGGTGG GGAGGAGACC TGGAGAAATA 60  
TGTGGGGGCA AGAGTCCCCA GGTGGGGACA GGGAAAGTGT TGAAGCCTGG CCACTACTGG120  
GCAGGGAAGA CAGAGTTGCC ACTGTATGCA CAGGGGATGA GCAGCTGCCG GTACTCCAGG180  
GGCAGGTGCC GCTCCACTAG CACGTGCAGT GAGACTTGGT CAGTGACCAG GCCCTGCCGC240  
CGCATCAGCA GCTCCAGGTC CTCTGGCTTC ACAGTCTTGC GGCCAGCATG AGCAGCAAAT300  
ACCTCCAGAT CATCACAAG ATGCTGGAAA TATTTATCTA GGCATTCTC CACCATCTCA360  
AGAGCCTTCC TCTCCATGGG CATCTTGGCA TAGAAGCTAA AGAGTTTCAC ATAGTGGCTC420  
AGTCCAGCCT TGTGGGGATC TTGCCGNGC CTGNGGC 457

Name: 165 Len: 477 Check: 17AD  
TTTTTTTTTT TTTTAGTTTT CTCCCAAAT GGTTCCTCAG CCCCAGTGCT GGGCCCTGAA 60  
ATAGGCCGAC CTCCCTGTAT AGTCCCAACA GAGCTGGCCA CACCATAAGT CAGGGGCAAA120  
CTGGAACGTG GGGAGGAGC TGCAGCCTGT ACTCCCTT CAGTTAGAGC CTGAAGCTGG180  
AGGAGCTTCT TTAGCAAGTA CCTTCTTTCT TCTTTTGCTT TAAGAAATTT TTCCTCAAGA240  
CGAGCAATTT CATCACAAT AGCAGCATTT TCAAACACCG TGGCCTTGGC CGCTTTGCCG300  
AGCCGAGGT ACTTCAGCCG GTACTTCTCA TTCTGGCTCT TCTTCGGGAG CTTTTTCATC360  
CTGGCCTTGC TGGACTGCAG CGGAGCCCGC GGCGAGGAAG CGAGGCCGTC CAGCAGGCTC420  
ATGGTCCAGC CCCGCTACGG GGGCCCCAGG ACGCTGCCGG CATCGGATCC TAAGTCG 477

Name: 166 Len: 468 Check: 19A4  
GAGAAGACGA CAGAAGGGSC TACTGCGGCA GAACCAGAGG GCCCTGAACC GTGCCATGCG 60  
GGAGCTGGAC CGCGAGCGAC AGAAACTAGA GACCCAGGAG AAGAAATCA TTGCAGACAT120  
TAAGAAGATG GCCAAGCAAG GCCAGATGGA TGCTGTTGCG ATCATGGCAA AAGACTTGGT180  
GCGCACCCGG CGCTATGTGC GCAAGTTTGT ATTGATGCGG GCCAACATCC AGGCTGTGTC240  
CCTCAAGATC CAGACACTCA AGTCCAACAA CTCGATGGCA CAAGCCATGA AGGGTGTGTC300  
CAAGGCCATG GGCACCATGA ACAGACAGCT GAAGTTGCCC CAGATCCAGA AGATCATGAT360  
GGAGTTTGAG CGGCAGGCAG AGATCATGGA TATGAAGGAG GAGATGATGA ATGATGCCAT420  
TGATGATGCC ATGGGTGATG AGGAAGATGA AGAGGAGAGT GATGCTGT 468

Name: 167 Len: 399 Check: BC8  
TTTTTTTTTT TTAGGTTTTAT AATCAGCATC ATCCTCATCT CGAGGTCTCT TTAATGGCTT 60  
TATATCCTCT TTAGGAGGAA CAAATAGCC ATCATCTTCA GGTTCATCTT TAATTTGTGG120  
TGGACTAGAG AAGCCATTTT CCTTCTCCTT CTTTATTTT GCATCCCCAG AGGCTCGAAC180  
CTTTTCTCT TTTGTTTTTT CTTTGTCTCT GTCTTTATGT TTGTCTTTAT GCTTTTCTGA240  
GCTTCCATCT TTGTGTTTTG TCTTCTCCTT CTCTTTGTGT TTCTTTTCAG AATCTTTATG300  
TTCATGTTG CTATGCTTGG ACTTTTCCCG GNCCTTCTCC TTTCTGGGTT CTTTNGGCC360  
GNGGTCTCGA TCCTTTGGTT ATTTTGTGT TATGAGAAT 399

Name: 168 Len: 557 Check: F21  
GAGCCCAAGC GCCTTCTCCG CACCAGGGAA GCCCCACCCA CCAGAAGCCA AGATGTCCAG 60  
CAAGCGGGCC AAAGCCAAGA CCACCAAGAA GCGGCCACAG CGGGCCACAT CCAATGTCTT120  
CGCAATGTTT GACCACTCCC AGATCCAGGA GTTTAAGGAG GCTTTCAACA TGATTGACCA180  
GAACCGTGAT GGCTTCATTG ACAAGGAGGA CCTGCACGAC ATGCTGGCCT CGCTGGGGAA240  
GAACCCACA GACGAATACC TGGAGGGCAT GATGAGCGAG GCCCCGGGGC CCATCAACTT300  
CACCATGTTT CTCACCATGT TTGGGGAGAA GCTGAACGGC ACGGACCCCG AGGATGTGAT360  
TCGCAACGCC FTTGCCITGCT TCGACGAGGA AGCCTCAGGT TTCATCCATG AGGACCACCT420  
CCGGGAGCTG CTCACCACCA TGGGTGACCG CTTACAGAT GAGGAAGTGG ACGAGATGTA480  
CCGGGAGGCA CCCATTGATA AGAAAGGCAA CTTCAACTAC GTGGAGTTCA CCCGCATCCT540  
CAAACATGGC GCCAAGG 557

Name: 169 Len: 564 Check: 163  
ACGACTTGGC CATGCTGAAA CAGATGAACA ATTACAGAAT ATTATATCTA AATTCCTTCC 60  
TCCTGTTTTG CTCAAACCTC CTAGCACCCA AGAAGGAGTA CGTAAAAAGG TAATGGAAC120  
GCTGGTCCAT CTGAATAAAC GTATAAAAAG CCGCCCCAAA ATACAACTTC CAGTAGAGAC180  
ACTGTTGGTT CAGTACCAGG ACCCTGCTGC AGTTTCTTTT GTCACAAAT TTAATAAT240  
TTATGTTAAA ATGGGCTATC CTCGCTACC AGTGGAAAAA CAATGTGAAC TGGCCCCAC300  
GCTTCTTACT GCCATGGAAG GGAAGCCTCA GCCACAGCAG GATAGCTTAA TGCATCTTTT360  
AATACCAACC CTTTTTCACA TGAAATACCC TGTTGAATCA TCAAAATCAG CTTCTCCATT420  
TAATCTTGCT GAGAAACCAA AGACTGTGCA GCTGCTTTTG GACTTCATGC TAGATGTCCT480

127

TCTGATGCCT TATGGTTACG TGTTAAATGA ATCCCAGAGT CGCCAAAATT CATCTTCAGC540  
ACAGGGTTCT TCTTTCAACA GTGG 564

Name: 17 Len: 338 Check: 14BF  
CAATGCTTGA AGTATAAAAA GCTGAGAGTG TTCTCGGGCA GGGAGTCTCC AGAACCAGGA 60  
GAAGAAGAAT TTGGACGCTG GATGTTTCAT ACTACTCAGA TGATAAAGGC GTGGCAGGTG120  
CAGATGTAGA GAAGAGAAGG CGATTGCTAG AGAGCCTTCG AGGCCAGCA CTTGATGTTA180  
TTCCGTGTCC TCAAGATAAA CAATCCTTTA ATTACTGTCC GATGAATGTC TGCAGGCTCT240  
TGAGGAGGTA TTTGGGGTTA CAGATAATCC TAGGGAGTTG CAGGTCAAAT ATCTAACCAC300  
NTTACCAGAA GGATGAGGAA AAGTTGTCCG CNTATGTC 338

Name: 170 Len: 457 Check: A6C  
GATTGTATGG TGGGGTGGTG ACCTATTTTT ACAAATTATA CCTAATGAGT AAAATTAGTG 60  
TAAAGTGATA ACATGCTTCT ACCTGTATTT CTAGTGACCC TTTAGCGGCA GGTATTTATA120  
CCTGGTATTT ATGATGCAGT ATATAAGTGG TGAACAATAA CTGACAGTAT TGTGCTTGCT180  
GTACATGTCT GGTCTTTTGA AACAGATTTT AGTAAGCATT TTCCAGAGGT AAAACTGTGT240  
CCTTATTTCTA ATTTTATTC TAGGGCAAAG TAGACAGGGA TTATTTCTCT GAATCTATTT300  
CCAAATTAAT ATTTTCTCT TTGGTATTTT TACACTTTAA GGCCATTGG TGCAATTTAG360  
AAAGTGTGG CCTCCCTTCC GCTAGCCACA TTCANAATTA ACTTCCAAA CCTCAGGAAC420  
AGTACAAAGA ATTGAAACCC TCAATATGGC AGCACAG 457

Name: 171 Len: 527 Check: 703  
TTTTTTTTTT GATGGATACT AAGGGAGTAT TTTACTGAAA AAAATAGAAA ACTACATTTT 60  
TACACGAAAT AAACCTATGT CTGCAATACT CAGCCTTAAA TTCACCCCTC ACTCAGAAG120  
AGGTCCCAGG GGCAGGAATA ACACGCACAG ATTGTTTGT CACGACTTCC AGCCGGTCCA180  
CCAGACCTCT GGCCAGGTAA TACTGTACAA AGTGCTTCCA CGTGATTTCT CTTCCAGGAT240  
CTCGAAAATA GAGGTAGAAA AATCCCATGG CAACGCCTGC CCCCCAAAG GCCAGACTGC300  
GGAAATCCTC GTCATCCCAG GGGAAAGTCCC CCGTTCTGCA TCCGCTTCCA CCAGGCAACG360  
TTATCCTGCT TCCCTCCTCT CCGCCTCCG TCTCCTCCAG ACTCAGCATT CTCTAGTTCA420  
CCASTCTCTT TGGGTGGTTT TGAACACAG CACCAGGAAA ATAACGTCGG TCTTGCCTGC480  
AGAGTCAGCT TCTGAACGTG GATCCCCTGG AAGCACTGGA ACAGGAG 527

Name: 172 Len: 546 Check: 101E  
CEGCACGAGG GACAACGCAG CCTGATAAAC AAGTGGACGA CTTTCTTTAA GGCCAGACTG 60  
ATTTGCTCAA TTCCTGGAAG TGATGGGGCA GATACTTACT TTGATGAGCT TCAAGATATT120  
TATTTACTCC CCACAAGAGA TGAAAGAAAT CCTGTAGTAT ATGGAGTCTT TACTACAACC180  
AGCTCCATCT TCAAAGGCTC TGCTGTTTGT GTGTATAGCA TGGCTGACAT CAGAGCAGTT240  
TTAATGGTC CATATGCTCA TAAGGAAAGT GCAGACCATC GTTGGGTGCA STATGATGGG300  
AGAATTCCTT ATCCACGGCC TGGTACATGT CCAAGCAAAA CCTATGACCC ACTGATTAAG360  
TCCACCCGAG ATTTTCCAGA TGATGTCATC AGTTTCATAA AGCGGCACTC TGTGATGTAT420  
AAGTCCGTAT ACCCAGTTGC AGGAGGACCA ACGTTCAAGA GAATCAATGT GGATTACAGA480  
CTGACACAGA TAGTGGTGA TCATGTCATT GCAGAAGATG GCCAGTACGA TGTAAATGTT540  
CTTGGA 546

Name: 173 Len: 710 Check: 316  
CTCTTCTTCT ATCTGGGCTT TCTTTTGAGC TCTTCTTGT TTATTACGTA GCTTCTTTAG 60  
CTCTTTGTCA GACATGTTTG CTGTATCAGC TTCGTGTTCT TTATTCTCAT CTGTAAGGGG120  
GTTGTATGA AGCTTCAAAT AGATCTCTAT AGCAATTCTT GCTGCCTTGA AGTAAATGG180  
ATGCTGTGCA AGTACATCTT CTAGTTTTAA TAAGTCCACA TATGATCTAA GGGTAATCTT240  
CCTCATACAG TATGTATGAA AGTCAAAGT GTCATCAGTG ATTTCTATAA AATGTCTCTC300  
AATCTCATGA CATTCTTTAA GTGCTTCACC AAATTTATTC ATTGCTTTAT AAGCCTGGGC360  
ACATTCTGTT TGGAACCACA TGCACTGCAT TTCATTCAA TTCTCTACCG CTGATGTTCC420  
TTCCCTTGTA AACTTTGAGC ACATTTCTTC AGCTTCTTTA ATCAGGTTGG CTTTTAGCAT480  
GTATTTTGCA CATTGAGT TGATAAATCT GTCTGCTGTG TCCAAGGCCT GNGCCTCATC540  
CATCCACCTT GCAGCTTCTT TAATATTTCC AGCATGCTTA TAGATTTTAG CTNTCAGGAG600  
AAAGANGTCT ATTAATGTAG TGTACTNTCA ATAGCAGTAT TTATGTACTC CANAGCANTA660  
GATGGCTGAC CAATTTTGTG ATAATGGTGT GCCAAGTAGT ACTTGACCCA 710

Name: 174 Len: 409 Check: 6EF  
GGCAGGAGCA TTAATACATG TCCACAGGAA GTACAAAAGC CATCTTCATT TGAACGTAAA 60  
TACAATAATC CTGAAATTCT TAGCACCAG TATTACTTTT AAAAGTAAAG ACAACCGAGT120  
GCTCTCCCCA CATATTGTTG ACTTCTTCT ACTCACACTG CATGTCATTT GAGATTTTAA180  
AAAGTTAGCT GCCACAGTTT TGGAAAATGC CAGTGTTTAA AAATAATTGT GTTAPAGAAT240  
CAAAAGTTTA GCGTAACAGA TTTTGAGTAC TTCAAACCAT TCAATGTTAC AAAGAAAAGT300  
GAAAATACCA TTCTTTGGTC TAGATTAGCT GTTCCCTTTA CATTAAATTA ACATTCCGAT360  
GGCTTTTGA AAATTTTAAA AATGTTGAAA CTCACAGGAC AAAACAAAA 409

Name: 175 Len: 410 Check: 152D  
GGCAGGAGCT TTGCAGGGAA TGAATACTGG ATCTACTCAG CCAGCACCCCT GGAGCGAGGG 60  
TACCCCAAGC CACTGACCAG CCTGGGACTG CCCCCTGATG TCCAGCGAGT GGATGCCGCC120

128

TTTAACTGGA GCAAAAACAA GAAGACATAC ATCTTTGCTG GAGACAAATT CTGGAGATAC180  
 AATGAGGTGA AGAAGAAAAT GGATCCTGGC TTCCCAAGC TCATCGCAGA TGCCTGGAAT240  
 GCCATCCCCG ATAACCTGGA TGCCGTCGTG GACCTGCAGG GCGGCGGTCA CAGCTACTTC300  
 TTCAAGGGTG CCTATTACCT GAAGCTGGAG AACCAAAGTC TGAAGAGCGT GAAGTTTGA360  
 AGCATCAAT CCGACTGGCT AGGCTGCTGA GCTGGCCCTG GCTCCACAG 410

Name: 176 Len: 473 Check: 26B9  
 TTTTTTTTTT TTTTTTTTAC AAAGGAAAAC AAAGCTACTT TTGGTTTTGG CAACATTAAA 60  
 AAAGAAAGAA ATATAAAAAG CAATGTGGCA TTGGTCCCTA TTCATTAAAA AAAAAGGGTA120  
 CTTGGGCACG ACACAATCAG AATTAGTTTG TTTCTAAAA TTCAGAGTAT CTGGGATTTT180  
 AAAAGTAGCA CTTTTTAAAA AGTTCAACAA GTCACATAAC ACTTAAAAA TCAAAAAAGC240  
 TTTCTGATAA AAAGCTCAGC TTTTAAATCA CGTTTGTGTT CTGCAAAATT GGGAGACAAA300  
 TTGAGTTCTT ACTGGAATGT GGCCTATCGC TGGTTGACAA ATCTGAAATG GAATGTCTCC360  
 AAATGGCAGT GCCTCCCTTT CCGCCCTCCC TAGGACCACA CCAATAACCA GCTCCCAAGC420  
 ACAAGTTCTT GCTCCCATTT TTTCTGTAGG GGTGGGGGTG GGACCTTCAG GCT 473

Name: 177 Len: 423 Check: F88  
 TTTTTTTTTT TTTTTTTTTT CAAAGCTTTC TGTAATATT TTATTTTCCA TATTTTAGAG 60  
 TCAGAAAGAA GCGCTTGGTA ATAAAAATA TAGAGAATTA TTTCTTCAA GCCCGCTCTG120  
 CGCTGCGCCG GCCTCCCCGC GCGCGGGCCC ACGGCTGAGT GCGGCGCTC AGAGGCCCA180  
 AGTCCATCTC ACTATTTACA GATATGTTAC AGGCCGGGAT GGTCACAGAG GAAAGCCCAG240  
 CTCTCAGCAT GGCCCCACGT GGTGAGGAGC CCCCAGGCTC CTCCCGGCTG TCTCGGACAG300  
 AGACTGAGAA GCCTGCCGCG TCOCGTGGGG GCCTAGGCTG CGGCGGGCTC CACGGGGGGG360  
 CAGGAGTGGG CCGTGATGTC GCTGTGCTTG TACGCCGCT CGTCCAGGTC CAGCAGCCTC420  
 CGG 423

Name: 178 Len: 304 Check: 1952  
 TCAGGTTCAA GTGCTGGATT GTGTCATGTG ACCATCCCAA AACTCAGAGC ACCCTATGGC 60  
 CGTCTTTGCC CTCTGTCA CA TAACCTGAAA ACTGCCTGAT GGCCTTTTTG CAGTGGTTCC120  
 CTCCAGGAAG CCTGTATCTC AGTTGAAGAA GTTCTTCCCT GGCATTCCAA TGCCCCGTCT180  
 AGCTCCATAC TCCTCAGACA CCCTTAACAA AGGCTGTCTAT GCACACAATG TGACAAATAC240  
 ACRAAATAAA TGATAATTAC ACTAATAATG ATATGTTTCA AGGGGCACTG GCCAGGTCCA300  
 CACA 304

Name: 179 Len: 541 Check: 1295  
 GGGGCAAGA AAAATGTGAA GGATTGGAAC TGCACTTCTG GAGAAAAATA TGTCGTAAC 60  
 GCAAGTGTGG CCAAGAAGAG CATGATGTCC TCTTGAGCAA TGAAGAGGAT CGAAAAGTGG120  
 GAAACTTTT TGAAGACACC AAGTATACCA CTCTGATTGC AAACTAAAG TCAGATGGA180  
 TTCCCATGTA TAAACGCAAT GTTATGATAT TGACGAATCC AGTTGCTGCC AAGAAGAATG240  
 TCTCCATCAA TACAGTTACC TATGAGTGGG CTCCTCCTGT CCAGAATCAA GCATTGGCCA300  
 GGCAGTACAT GCAGATGCTA CCCAAGGAAA AGCAGCCAGT AGCAGGCTCA GAGGGGGCAC360  
 AGTACCGGAA GAAGCAGCTG GCGAAGCAGC TCCCTGCACA TGACCAGGAC CCTTCAAAGT420  
 GCCATGAGTT GTCTCCCAGA GAGGTGAAGG AGATGGAGCA GTTTGTGAAG AAATATAAGA480  
 GCGAAGCTCT GGGAGTAGGA GATGTCAAAC TTCCCTGTGA GATGGATGCC CAAGGCCCA540  
 A 541

Name: 18 Len: 245 Check: E67  
 AGGAAATTAA CATTTTGATA CCCATGCATT GGTTCAGGAC NTTGGAAACT CATGGNTTG 60  
 ACAAACACA AGCAGAAACA ATTGTATCAG CGTTAACTGC TTTATCAAAT GTCAGCTGG120  
 ATACTATCTA TAAAGAGATG GTCATCAAG CTCACAGGA AATAACAGTA CAACAGCTAA180  
 TGGCTCATTT GGATGCTATC AGGAAAGACA TGGTCATCCT AGAGAAAAGT GNATTTGCAN240  
 ATCTG 245

Name: 180 Len: 685 Check: 531  
 TCGTGGAACA AAAGTTATCC TACACCTGAA AGAAGACCAA ACTGAGTACT TGGAGGAACG 60  
 AAGAATAAAG GAGATTGTGA AGAAACATTC TCAGTTTATT GGATATCCCA TTACTCTTTT120  
 TGTGGAGAAG GAACGTGATA AAGAAGTAAG CGATGATGAG GCTGAAGAAA AGGAAGACAA180  
 AGAAGAAGAA AAAGAAAAAG AAGAGAAAGA GTCCGAAGAC AAACCTGAAA TTGAAGATGT240  
 TGTTTCTGAT GAGGAAGAAG AAAAGAAGGA TGGTGACAAG AAGAAGAAGA AGAAGATTAA300  
 GGAAAAGTAC ATCGATCAAG AAGAGCTCAA CAAPACAAAG CCCATCTGGA CCAGAAATCC360  
 CGACGATATT ACTAATGAGG AGTACGGAGA ATTCTATAAG AGCTTGACCA ATGACTGGGA420  
 AGATCACTTG GCASTGAAGC ATTTTTCAGT TGAAGGACAG TTGGGAATCA GAGCCCTTCT480  
 ATTTGTCCCA CGACGTGCTC CTTTTGATCT GTTTGAAAAC AGAAAGAAAA AGAACAATAT540  
 CAAATTGTAT GTACGCAGAG TTTTCATCAT GGATAACTGT GAGGAGCTAA TCCCTGAATA600  
 TCTGAACCTT ATTAGAGGGG TGGTAGACTC AGAGGATCTC CCTCTAAACA TATCCCGTGA660  
 GATGTTGCAA CAAAGCAAAA TTTTG 685

Name: 181 Len: 207 Check: A9C  
 TTCTCAGAGG AACGAGAATG AATATGACTC AAGCCCGGGT TCTGGTGGCT GCAGTGGTGG 60  
 GGTGTTGGC TGTCTGCTC TACGCCCTCCA TCCACAAGAT TGAGGAGGGC CATCTGGCTG120



TGTAACACAG GGGAGGAGCT TTACTAACTA GCCCCAGTGG ACCAGGCTAT CATATCATGT180  
 TGCCTTTCAT TACTACGNTT CAGAATC 207

Name: 182 Len: 530 Check: A17  
 AAATCATTCT GGTTCACGGA CACCTCCAGT AGCACTCAAG AGTTCAGAA TGAGCTGCTT 60  
 CAGTCGTCTT AGCATGTCCC CAACACCTCT TGATCGCTGC AGATCACCTG GAATGCTTGA120  
 ACCCCTTGSC AGCTCTAGAA CACCCATGTC TGTCCTGCAG CAAGCCGGCG GCTCCATGAT180  
 GGATGGTCCA GGTCCCCGAA TACCTGACCA CCAGAGAACA TCTGTGCCAG AAAATCATGC240  
 TCAGTCCAGG ATTGCACTTG CCTTGACAGC TATCAGTCTT GGCACCGCTC GGCCTCCTCC300  
 GTCCATGTCT GCTGCTGGCC TTGCTGCAAG AATGTCCCAG GTTCCAGCCC CGGTGCTCT360  
 CATGAGTCTC AGAACCACAC CAGCAGCCAA CCTTGCCAGC AGGATTCCCTG CAGCCTCTGC420  
 GGCAGCCATG AACCTAGCCA GCGCCAGGAC ACCTGCCATT CCAACAGCAG TGAACCTGGC480  
 TGACTCTCGA ACGCCAGCTG CAGCAGCGGC CATGAACCTT GCCAGCCCCA 530

Name: 183 Len: 526 Check: 7E1  
 TGTAGATCAA CTGAGGCATC TACTTGTGAG TAATGTGGGA GGAGATGGAG AAGAGATTGA 60  
 AAGATTCTTT AAATTACATC AGGAAGACCA GGCTTGTGCA ACTTGCTTTA TTCTTGCTTG120  
 CTCCACTGCT GCTGTGATA GAGAAGTATC TGCTGGGCT ACTCGGGCTT TCTTTAGGTAL80  
 TGGTGGTGAA GCACAGATGA GATTTCCAAC CACTCTTCCG CCTCCAAGTA ATGTTGGTCC240  
 CATCTTGGGG TCTCTGTCT ATTCTAGTTC TCCTGTTCCT AGTGGTAGTC CCTATCCAAA300  
 TCCATCCTTT TTGGGAACAC CGTCTCATGG TATCAGCCT CCTGCCATGT CAACTCCAGT360  
 GTGTGCTCTG GGAAACCCAG CAACTCAGGC CACAAATATG AGTTGTGTGA CTGGACCAGA420  
 GATTGTGTAC TCTGGAAAAC ACAATGGGAT TTGCATTTAC TTTTCTCGGA TCATGGGAAA480  
 CATTTGGGAT GCAAGCTTAG TTGTGGAGAG AATATTCAAG AGTGGC 526

Name: 184 Len: 612 Check: 1418  
 GAAGAAGAGG AAGAGGAGGA GGAGGAAGAG CAGCCGACAG CAGCACAGCC TCCCACCTG 60  
 CCCGTGGAGG AGAAGAAGAA GATTCCAGAT CCAGACAGCG ATGACGTCTC TGAGGTGGAC120  
 GCGCGGCACA TCATTGAGAA TGCCAAGCAA GATGTCGATG ATGAATATGG CGTGTCCCAG180  
 GCCCTTGCAC GTGGCCTGCA GTCCTACTAT GCGGTGGCCC ATGCTGTAC TGAGAGAGTG240  
 GACAAGCAGT CAGCGCTTAT GGTCAATGGT GTCCTCAAAC AGTACCAGAT CAAAGGTTTG300  
 GAGTGGCTGG TGTCCTGTGA CAACAACAAC CTGAACGGCA TCCTGGCCGA CGAGATGGGC360  
 CTGGGGAAGA CCATCCAGAC CATCGCGCTC ATCAGCTACC TCATGGAGCA CAAACGCATC420  
 AATGGGCCCT TCCTCATCAT CGTGCTCTC TCAACGCTGT CCAACTGGGC GTACGAGTTT480  
 GACAAGTGGG CCCCCTCCGT GGTGAAGGTG TCTTACAAGG GATCCCCAGC AGCAAGACGG540  
 GCCTTTGTCC CCCAGCTCCG GAGTGGGAAG TTCAACGTCT TGCTGACGAC GTACGAGTAC600  
 ATCATCAAAG AC 612

Name: 185 Len: 433 Check: C75  
 GTTCTTCCA GACAAAGGAA TATCAAAACA CTTCGGCACA AGTACAACAA AGGCATGGGA 60  
 AGATCATGAT AATGTTTTAC ATCACAATTT ACAGCATTTT ATTTTAATCA GTATTGTAG120  
 AAAACAAGGA TGCTGAGTTC TTGAACACTG CAGTCACAAA CTCAAATAA AATTTCCAAA180  
 AAAAGGAAAG AAAAAGCTGA ACTACTTGGT CAACTGAACA TCTGTAATAA TAAATGTAAC240  
 GAAACCTAAC CAAATAAATA TGCCACTGAG ATCACAAGT AAGTGTATGG TTTTGTAGT300  
 GTGCCAGAGA CATTAATAA TTTAATCAGT TTTTGACTAC AACCACAAAGC AAAGCATCCT360  
 CTCTGTTTCC CTGATGATTT ATTCTAAAAG TAACCTTAAA AAGCAGAAAC TTGCTGGTTA420  
 AAGAGAATTT CTG 433

Name: 186 Len: 377 Check: 2316  
 ATAATGCAAG CCCTTGCAAT GCAATCCAAA TTTATTGAAC TACTGATGCT AAGTTATACA 60  
 AAATTGCACC ACTTTAATTA AGGCTTTTAG TTTACATTTG GCCACCTCAA AGTAGTTGTAL20  
 ACATTAGGTT GGTCATTTA AATACTGTGG CTCCCTGTTG GATAGACACA CAATCTTTAC180  
 ATCCAAACAT TAATGCATAC AAAGCAACAA GGCATTGTGA AATAAAACAG CAATAGTTAC240  
 TGCAAAATTAG GCCTTGTGAC CAATTACATA TGATTAAAT TACTTCCCAC ATTCACATCC300  
 ACAGTNACTC GTCCACCATT TAACATCTCA CCAANNACGT TACACATGTG AAACAATCAC360  
 TAACAGGCAA AAATACT 377

Name: 187 Len: 413 Check: 6F4  
 GCTGTAGGTC GAGGGGAAGA CTTAGACTCC TTCTTTATAT TGGGTTTCCT TGAGCCTTTG 60  
 GTGGCTGCTT TGTGTCTGCT GGAGGGCATG CTGCTAGCCA AGTCTACAGG GGTTTCACTT120  
 TCTATCTTCA GGCCTCCAGC AGGCTCTTCA GCAGCTGCCT TCTCAGCCTT TTTGGGTTGT180  
 TTTTGGCTA CAGTCTTCT CTGTGTGTG CTGTCACTCT GTGCAGGAGA TTTCTGCCTC240  
 CCACGCCCCAC TTTCTGATCC CTTTGGGATG GTTTTGGAGT CTCGTCCCGG AGTAGCGGAA300  
 CTCGTTTCTT TAGGTCCACT TGTATCAGTG TAGCTATTCC CAGTGCCCTG CTCTCGGCCCT360  
 TCCTTTTGT AGCCTTGAGA TGATGGGATG TTACTGTCCA CTGAAGAGGC GGG 413

Name: 188 Len: 378 Check: 13F6  
 CTGAAAAGCC ATCTTTGCAT TGTTCCTCAT CCGCCTCCTT GCCCGCCGCA GTGCTCCTCG 60  
 CCGCGCGCCT CCTCCGCCGC CGCGGACTCC GGCAGCTTTA TCGCCAGAGT CCCTGAACTC120  
 TCGCTTTCTT TTTAATCCCC TGCATCGGAT CACCGGCGTG CCCCACCATG TCAGACGCAG180

130

CCGTAGACAC CAGCTCCGAA ATCAACCACCA AGGACTTAAA GGAGAAGAAG GAAGTTGTGG240  
AAGAGGCAGA AAATGGAAGA GACGCCCTG CTAACGGGAA TGCTAATGAG GAAAATGGGG300  
AGCAGGAGGC TGACAATGAG GTAGACGAAG AAGAGGAAGA AGGTGGGGAG GAAGAGGAGG360  
AGGAAGAAGA AGGTGATG 378

Name: 189 Len: 545 Check: 214D  
TCTGTACGAA GTTGTAGCAG TGTGTATAC TGTGTATTT CATGGACTCT GTTTCAGACT 60  
TGAAGAGCAA AGAAATTAAA AGAGCAACAC TGAATGAAC GGTIGAGTAT GTTTCAACTA120  
ATCGTGGTGT AATTGTTGAA TCAGCGTATT CTGATATAGT AAAAATGATC AGTGCTAACA180  
TCTTCCGTAC ACTTCCCTCCA AGTGATAATC CAGATTTTGA TCCAGAAGAG GATGAACCCA240  
CGCTTGAGGC CTCTTGGCCT CACATACAGT TGGTATATGA ATTCTTCTTG AGATTTTGG300  
AGAGCCCTGA TTTCCAGCCT AGCATTGCAA AACGATACAT TGATCAGAAA TTTGTACAAC360  
AGCTCCTGGA GCTTTTTGAT AGTGAAGATC CCAGAGAACG TGACTTCCTG AAGACTGTTT420  
TGCACCGAAT TTATGGGAAA TTTCTTGGAT TAAGAGCATT CATCAGAAAA CAAATTAACA480  
ACATTTTCTT CAGGTTTATA TATGAAACAG AACATTTCAA TGGGTTGCTG AACTTCTTGA540  
ATATT 545

Name: 19 Len: 304 Check: 187B  
GATCAAAACAA AGTCTGATAG TCTATGCAAG TAACCAGCCA TGTATTTGTA ACAACTTCTC 60  
CCACAGTGGC TTCCACTTCA CACCCAGCA GAGGAACCAC AGCATAATCC GCAACAGTTT120  
TGCTCAGAAG GGACATGATT TTCCAGCAT TTTCNTTTAA NNANGTTTGC GATGTAGAT180  
TCATTTTTCAT TACTAAAACC CAAACAAGG AAATCTCTTT GGCTAAATAA GCCTTCTTCA240  
GTAATTGTNG AAACATCAGG GGACACAATG ACTTGACAGA AGACTGGGT TTCCTTCTTT300  
GGCA 304

Name: 190 Len: 648 Check: 1E8C  
GGGTGTGCGA TTGTGTGGGA CGGTCTGGGG CAGCCAGCA GCGGCTGACC CTCTGCCTGC 60  
GGGGAAGGGA GTCGCCAGGC GGCCGTCAIG GCGGTGTGG AGAGCCAGCT CAAGAAAATG120  
GTGTCCAAGT ACAAATACAG AGACCTAACT GTACGTGAAA CTGTCAATGT TATTACTCTA180  
TACAAAGATC TCAAACCTGT TTTGGATTCA TATGTTTTTA ACGATGGCAG TTCCAGGGA240  
CTAATGAACC TCACTGGAAC AATCCCTGTG CCTTATAGAG GTAATACATA CAATATCCA300  
ATATGCCTAT GGCTACTGGA CACATACCCA TATAATCCCC CTATCTGTTT TGTTAAGCCT360  
ACTAGTTCAA TGAATTTAA AACAGGAAAG CATGTTGATG CAAATGGGAA GATATATCTT420  
CCTTATCTAC ATGAATGGAA ACACCCACAG TCAGACTTGT TGGGGCTTAT TCAGGTCTATG480  
ATTGTGGTAT TTGGAGATGA ACCTCCAGTC TTCTCTCGTC CTATTTGCGC ATCCTATCCG540  
CCATACCAGG CAACGGGGCC ACCAAATACT TCCTACATGN CCAGCATGCC AGGTGGAATC600  
TCTCCATACC CATNNGGATA CNCTCCCANT CCCAGTGGGT ACCCAGCT 648

Name: 191 Len: 339 Check: 127B  
GCTGTTTAAAG CTCAGGCTAA AGATGATATA AATAGAGGTG CACCATCCAT CACATCTGTC 60  
ACACCAAGAG GACTGTGCAG AGATGAGGAA GACACCTCTT TTGAATCACT TTCTAAATTC120  
AATGTCAAGT TTCCACCTAT GGACAATGAC TCAACTTTCT TACATAGCAC TCCAGAGAGA180  
CCCGGCATCC TTAGTCTGTC CACGTCTGAG CAGTGTGCC AAGAGAAAT TAATATGGAG240  
TTCAGAGACA ACCCAGGGA CTTTGTAAA ACAGAAGAAA CTTTATTGTA AATTCAGGGA300  
ATTGACCCCA TAGCTTCAGC TATACAAAAC CTAAACA 339

Name: 192 Len: 252 Check: 1228  
TGATAGTGAT GGATGGACGC CGCTGCACTG CGCTGCCTCT TGTAACAGCG TTCACCTCTG 60  
CAAACAGCTG GTGGAGAGTG GTGCCGCCAT TTTNCCCTCA ACCATAAGCG ACATTGAAAC120  
TGCTGCAGAC AAGTGTGAGG NGATGGAGGA AGGCTACATC CAGTGTCCC AGTTTCTATA180  
TGGGGTGCAG GTGAAGCTGG GTGTGATGAA CAAAGGTGTG GCNNATGCTC TGTGGGACTA240  
CGAGGCCAG AA 252

Name: 193 Len: 272 Check: 27D  
GACAAACAGG ACTACCCGCA GCCCTCGGAC CTGTCCACCT TTGTAAACGA GACCAAATTC 60  
AGTTCACCCA CTGAGGAGTT GGATTACAGA AACTCCTATG AAATTGAATA TATGGAGAAA120  
ATTGGCTCCT CCTTACCTCA GGACGACGAT GCGCCGAAGA AGCAGGCCTT GTACCTTATG180  
TTTGACACTT CTCAGGAGAG CCTGTCAAG TCATCTCCCG TCCGCATGTC AGAGTCCCCG240  
ACGCCGTGTT CAGGGTCAAG TTTTGAAGAG AC 272

Name: 194 Len: 334 Check: 19FD  
GAGANCTTGG AAAAATTAAC CACATGAGAN ACGATACACT AGCCAGATG TTGACGTTGG 60  
GAAATATCCG TNCTGGCAAC AAAATGATTG TNATGGAAC GTGTGCAGGC TTGGTGTGG120  
GTGCAATGAT GGAACGAATG GGAGGTTTTG GCTCCATTAT TCAGCTATAC CCTGGAGGAG180  
GACCTGTTCC GGCAGCAACA GCATGTTTTG GATTTCCCAA ATCTTTTCTC AGTGGTCTTT240  
ATGAATTTCC TCTCAACAAA GTGGGACAGT CTTCTACATG GAACATTTTC TGCCAAGATG300  
TTATCTTCAG AGCCAAAAGA CAGTGTCTTG GTTG 334

Name: 195 Len: 352 Check: 13BF  
TTTTGTTTT GTCAAATGTT TTATTGAGTG TAGACATCTG GAGTACTGTA AAACATGCAT 60  
TATCTGTAGA TTCAAAAAGG AGCAAGCCAC ATTGTCTCTCA CTGTCAAATG TGTCAGGCTT120

131

GGCATACATG ATGGAGATTA ATGAAGTATC ATGAGAGTAA TATGGTTCCT GAAAAGCTTC180  
TACAATTTGG AGTAGGGTCT TAATCACGTG AAAAAGCAAA CTGTTACACAT TTAGTGAACC240  
TGCATTTTCAT GGAGGGGGGG GGGTACACAN TATTTTAATT TTAACAACAAA TAAAAATAAT300  
TTGTTTGTCA AAGATTCCCA TCTCCCAAC TTTATTTGTC GCATTGGTTT TC 352

Name: 196 Len: 355 Check: 9AF  
TTATGAAGAA GAAATTATTC ATTTTAAGAA AGAAGCTTCGA GAACCAACAT TTCGGGATGC 60  
TGAGGAAAAAG TATAGAGAAA TGATGATTGT TATGAGGACA ACAGAACTTG TGAACAAGGA120  
TCTGGATATT TATTATAAGA CTCTTGACCA AGCAATAATG AAATTTCACA GTATGAAAA180  
GGAAGAAATC AATAAAATTA TACGTGACCT GTGGCGAAGT ACCTATCGTG GACAAGATAT240  
TGAATACATA GAAATACGGT CTGATGCCGA TGAAAATGTA TCAGCTTCTG AAAAAAGGCG300  
GAATTATAAC TACCGAGTGG TGATGCTGAA GGGAGACACA GCCTTGGATA TGCGA 355

Name: 197 Len: 456 Check: A6C  
GCACGAGTCT ACATCCAGAG GACCAAGAGC ATGTTCCAGA GGACCACGTA CAAGTATGAG 60  
ATGATTAAACA AGCAGAATGA GCAGATGCAT GCGCTGCTGG CCATTGCCCT CACGATGTAC120  
CCCATGCGTA TTGATGAGAG CATTACCTC CAGCTGCGGG AGAAATATGG GGACAAGATG180  
TTGGCGATGC AGAAAGGTGA CCCACAAGTC TATGAAGAAC TTTTCAGTTA CTCCTGCCCG240  
AAGTTCTGT CGCCTGTAGT GCCCAACTAT GATAATGTGC ACCCCAATA CCACAAAGAG300  
CCCTTCTGT AGCAGCTGAA GGTGTTTTCT GATGAAGTAC AGCAGCAGGC CCAGCTTTCA360  
ACCATCCGCA GCTTCTGAA GCTCTACACC ACCATGCCTG TGGCCAAGCT GGCTGGCTTC420  
CTGGACCTCA CAGAGCAGGA GTTCCGGATC CAGCTT 456

Name: 198 Len: 422 Check: 1FAE  
GCACGAGATA CTGTGAAATA CCTTTCTCA CAAAAAGGCA AATATTGAAG TTGTTTATCA 60  
ACTTCGCTAG AAAAAAAAAA CACTTGCCAT ACAPAAATATT TAAGTGAAGG AGAAGTCTAA120  
CGCTGAAGTG ACAATGAAGG GAAATTGTTT ATGTGTTATG AACATCCAAG TCTTCTTCT180  
TTTTTAAGTT GTCAAAGAAG CTTCACAAA ATTAGAAAGG ACAACAGTTC TGAGCTGTAA240  
TTTCGCCTTA AACTCTGGAC ACTCTATATG TAGTGCATTT TTAACCTTGA AATATATAAT300  
ATTACGCCAG CTTAAACCCA TACAATGTAT GTACAATACA ATGTACAATT ATGTCTCTTG360  
AGCATCAATC TTGTTACTGC TGATTCTTGT AAATCTTTTT GCTTCTACTT TCATCTTAAA420  
CT 422

Name: 199 Len: 446 Check: 1C55  
CGATGGAGAC ATCAAACAAG AGCCAGGAAT GTATCGGGAA GGACCCACAT ACCAACGGCG 60  
AGGATCACTT CAGCTCTGGC AGTTTTTGGT AGCTCTTCTG GATGACCCCT CAAATTCTCA120  
TTTTATTGCC TGGACTGGTC GAGGCATGGA ATTTAACTG ATTGAGCCTG AAGAGGTGGC180  
CCGACGTTGG GGCATTGAGA AAAACAGGCC AGCTATGAAC TATGATAAAC TTAGCCGTTTC240  
ACTCCGCTAT TACTATGAGA AAGGAATTAT GCAAAAGGTG GCTGGAGAGA GATATGTCTA300  
CAAGTTTGTG TGTGATCCAG AAGCCCTTTT CTCCATGGCC TTTCCAGATA ATCAGCGTCC360  
ACTGCTGAAG ACAGACATGG AACGTCACAT CAACGAGGAG GACACAGTGC CTCTTTCTCA420  
CTTTGATGAG AGCATGGCCT ACATGC 446

Name: 2 Len: 352 Check: FBA  
CATGGCATGC AGAGGATCTA CAAAATGGGT TCACCAGGCC TGTCTACAAC GCTGGGTGGA 60  
TGAAAAGCAA ACAGGAAACA GTACAGCCAG AGTGGCATGT CCTCAGTGCA ATGCTGAATA120  
CCTAATAGTT TTTCCAAAAT TGGGTCCAGT GGTTTACGTC TTGGATCTTG CAGATAGACT180  
GATCTCAAAA GCCTGTCCAT TTGCTGCAGC AGGAATAATG GTCGGCTCTA TCTATTGGAC240  
AGCTGTGACT TATGGGACAG TGACAGTGAT GCAGGTGTA GGTCAATAAG AAGGTCTGGA300  
TGTTAIGGAG AGAGCTGATC CTTTATTCTT TTTAATTGG GACTTCCTAC TA 352

Name: 20 Len: 1558 Check: F16  
AGGAGGCCCG GCGGNGCAG GCGGCGACT GCCTGCCTGC CTGGGTGCG GAAGTGATAG 60  
CCGCCGACCG AGCCTGCTGC TTTCTTGCTA CTGCTTCGGC TTCCCGCCTA CTCCCCCGG 120  
ACGGTGAAGG CGGCCAGCT GTGGATGGT AGATAGCCCT TGTCTCCCGC CGCCAATCTC 180  
TGGCCCCTAG CAGCACGGAG CAGACGGCGG CAGCAGCAGC AGCAGGCGAG GAGGAAGATG 240  
GCGGGACGGC TGCCGGCCTG TGTGGTGAC TGTGGCACGG GGTATACAAA ACTAGGATAT 300  
GCTGGAAATA CAGAACCACA GTTTATCATC CCTTCTGTG TIGCTATTAA GGAGTCAGCA 360  
AAAGTGGGTG ATCAAGCTCA AAGGAGGGTG ATGAAAGGTG TTTGATGACC TAGACTTCTT 420  
CCATTGNGTG ATGAAGCAAT AGAAAAACCT ACATATTGCA ACAAAGTTGG CCCAATCCGC 480  
CATGGTATAG TNTGAAGATT GGGACTTTAA TGGAAAGGTT TATGGAGCAA GTGATCTTTT 540  
AAATATTTTA NGGGCAGAAC CCTGAAGACC ATTATTTTCT TTTGACTGAA CCTCCATTGA 600  
ATACTCCAGA AAACAGGGAA TATACTGCTG AAATAATGTT TGAGTCTTTC AATGTTCCAG 660  
GCTTGTACAT TGCTGTGCAG GCTGTCTGT CCTTATCTGC ATCTTGGACC TCAAGACAAG 720  
TAGGAGANCG GACGTTGACC GGTNCGGTAA TAGACAGTGG AGATGGGTG ACTCATGTCA 780  
TTCTGTGGC TGAAGGGTAT GTGATTGGCA GCTGTATTAA ACACATTCCA ATCGCAGGGA 840  
CCGAAGATAT AACAAATATT TAATTCAAGC AACCTGCTGA GAGACCCGAG AAGTAGGGAA 900  
TCCCTCCAAG AACCAACCCT TGGAAACCTG CTAAGGCAGT AAAGGAGCGC TATAGTTATG 960  
TCTGCCCAGA TTTAGTAANA GAATTTAACA ACTGCTTTTG GAACTAAGAG CTAGTATCTT1020

132

GGATTAACTG ATGCCTGCTA GTGCTTTCTG ATTACTCGCA TTCTGTTTCT TGCTTTAAAA1080  
GAAGAGTAAA GACAAGAGTG TTGGACCAGT ATTGCAGTTC TGTAAGTGCA TTTCTTATAA1140  
AAAACNAAAC AACAAACAATA ATTTATCCAA ATTGGCATAT TTAAAGCCTA ACATTCTAAT1200  
AAAGGCACAA ATTTCTTTTT AAATACTTGT TTCAGCCTCT TTNATCTCTT TATAAGTTAA1260  
CTAATAAATC TATTTTCTTC AGACTTCTGC AATAGTTCTT TAAAATCACC ACAGTTAGCA1320  
AGCTGACTTT TGTAATGTGC TCNAANACCA ANACTTGTGA ACTTTTAATA TGTTGAGTGC1380  
TTTCATTTTG ATAAGTGGAT CTCCATTTGA TATTTTCATT TGNATAACTC ATTTGCAGTC1440  
TGGAAATTTT TTTTAGTGCC AGTCCCTGGA CATATCATTG AAAGTTAAT TCTTTTGCAT1500  
TTTAAATAT CTGGATTATG GAGGAAAAGT GATGNAATA AATTAAAAC GAATTACC 1558

Name: 200

Len: 581

Check:

256

CGAAAAGAAA TCAGAAATGG AAAGTGTITT GGCCAGCTT GATAACTATG GACAGCAAGA 60  
ACTTGCGGAT CTTTTTGTGA ACTATAATGT AAAATCTCCC ATTACTGGAA ATGATCTATC120  
CCCTCCAGTG TCTTTTAACT TAATGTTCAA GACTTTCAIT GGGCCTGGAG GAAACATGCC180  
TGGGTACTTG AGACCAGAAA CTGCACAGGG GATTTTCTTG AATTTCAAAC GACTTTTGA240  
GTTCAACCAA GGAAAGTTGC CTTTTGCTGC TGCCAGATT GGAAATCTT TTAGAAATGA300  
GATCTCCCT CGATCTGGAC TGATCAGAGT CAGAGAATC ACAATGGCAG AAATTGAGCA360  
CTTTGTAGAT CCCAGTGAGG AAAGACCACC CCAAGTTCCA GAATGTGGCA GACCTTCACC420  
TTTATTTGTA TTCAGCAAAA GCCCAGGTCA GCGGACAGTC CGCTCGGAAA ATGCGCCTGG480  
GAGATGCTGT TGAACAGGGT GTGATTAATA ACACAGTATT AGGCTATTT ATTGGCCGCA540  
TCTACCTCTA CCTCACGAAG GTGGAATATC TTCAGATAAA C 581

Name: 201

Len: 625

Check:

22A8

GTCTTGGCCC AGAGCCTGGA CGGGGCTGAA GGACACGGGG GACAGGGCTC CTGGCTTCTT 60  
CCGCCCCGTC CTGGCCAGAG GCTTGAGCA TGATGAGCAC TCTTGTCCTT TAAAAAATC120  
AAAGCCGCAC CCGCCTCCC TGCCAGCAA GAAACCTAAA AGGGAACAA ACTCTGACAG180  
CGTCCCACCT GGCTACGAGC CCATCTCGCT GCTCGAGGCG CTCAACGGCC TCCGGGCTGT240  
CTCCCCGCCC ATCCCCCTCG CCCCTCTTTA TGAAGAAATC ACCTATTGAG GCATCTCGGA300  
CGGCCTGTCC CAGGCCAGNT GTCCCCCTGC GGCTATCGAC CACATCCTGG ACAGCAGCCG360  
CCAGAAGGGC AGGCCGCGAGA GCAAGGCCCC CGACAGCACC CTACGGTCCC CGTCTTCCCC420  
CATCCACGAA GAGGATGAGG AGAAGCTCTC CGAGGACGTG GACGCCCCCT CCCCCTGGG480  
TGGCGCAGAG CTGGCCCTGC GGGAAAGCAG CTCCCCCTGAG AGTTTCATAA CAGAAGAGGT540  
TGATGAGTCG TCTGTCACCA CAAGCAAGGG GACCCGAGCA GCTTCCATTG AGAATGTCT600  
GCANGACAAG CAAGNCCCCG GCACT 625

Name: 202

Len: 806

Check:

1E28

TCTAGTTTTT GGAATGGAGC CTCGCATCCT ATACAACCCT TTACAAGGCC AGAAATGTAT 60  
TGTTCAAACA ACTTCATGGT CCCAGTGCTC AAAGACCTGT GGAATGGTA TCTCCACACG120  
AGTTACCAAT GACAACCTG AGTGCCGCT TGTGAAAGAA ACCCGGATT GTGAGGTGCG180  
GCCTTGTGGA CAGCCAGTGT ACAGCAGCCT GAAAAGGGC AAGAARTGCA GCAAGACCAA240  
GAAATCCCCC GAACAGTCA GGTTTACTTA CGCTGGATGT TTGAGTGTGA AGAAATACCG300  
GCCCCAAGTAC TGCGGTTCTT CCGTGGACGG CCGATGCTGC ACGCCCCAGC TGACCAGGAC360  
TGTGAAGATG CGGTTCCGCT GCGAAGATGG GGAGACATTT TCCAAGAAGC TCATGATGAT420  
CCAGTCTGTC AAATGCAACT ACAACTGCCC GCATGCCAAT GAAGCAGCGT TTCCCTTCTA480  
CAGGCTGTTT AATGACATTC ACAAATTTAG GGAATAAATG CTACCTGGGT TTCCAGGGCA540  
CACCTAGACA AACAAGGGAG AAGATGTCAG AATCAGAATC ATGGAGAAAA TGGGCGGGGG600  
TGGTGTGGGT GATGGGACTC ANTGTAGAAA GGAAGCCTTG CTCANTCCTG AGGANCANTA660  
AGGTATTTCG AAATGCCAA GGGTGCTGGT GCGGATGGAC ACTAANGCAG CCACGATTGG720  
AGAATACTTT GCNTCATAGT ANTGGAGCAC AGTTACNGCT CAATTGAGG CNTGTGGAAT780  
TGAGACTTCC NGNTTCCGGT TGAAAT 806

Name: 203

Len: 489

Check:

610

GCACGAGCGG CACGAGTTTC ATTTTTCCAA AAGAGAAAAA AATGACAAAA GGTGAAACTT 60  
ACATACAAAT ATTACCTCAT TTGTTGTGTG ACTGAGTAAA GAATTTTGG ATCAAGCGGA120  
AAGAGTTTAA GTGTCTAACA AACTTAAAGC TACTGTAGTA CCTAAAAAGT CAGTGTGTGA180  
CATAGCATAA AAATCTGCA GAGAAGTATT CCCAATAAGG AAATAGCATT GAAATGTTAA240  
ATACAATTTT TGAAAGTTAT GTTTTTTTT TATCATCTGG TATACCATTG CTTTATTTT300  
ATAAATTATT TTCTCATTGC CATTGGAATA GATACTCAG ATTGTGTAGA TATGCTATTT360  
AAATAATTTA TCAGGAAATA CTGCCTGTAG AGTTAGTATT TCTATTTTTA TATAATGTT420  
GCACACTGAA TTGAAGAATT GTTGGTTTTT TCTTTTTTTT GTTTNGNNT TTTTTTTTT480  
TTTTTTTTTG 489

Name: 204

Len: 403

Check:

20BF

CAAGCTCAGA AGGGTCATCT CAGAGTTCAC TCTCTCCTGT ACTCATTGGT GGAAACCATT 60  
TGATCACTGC AGGTGTGCCA AGGCGAAGTA AAAGAATTGC AGGCAAAAAA GTTTCAGAG120  
TGGAATCAGG AAAAGCAGGC TGCTTTTCTC CTAAAAATCA GCCATAAAGA AAAGGTTCCG180  
AAGATCTCTG CCGTTTGAAA TTCAATCTAG GGAAAAATGG CAGAGAAGTA AATGGGATGT240  
TCTGGTGTC AATAGGATATT GAAAGTGTG GTTGGGCGAC TTGCAATCA ACAAAGTTTA300

133

AAAAATCCGA ATTNGAATCT GTAAAAACAG GTTTGCTTTT TAAGCCCAGN ATGTTGGATT360  
 GGAAAAANGT TACCANAAGA AAGGGGTTC AAAAAAGGA TCA 403

Name: 205 Len: 462 Check: 1620  
 TTTACAGGTA CACAATTTAA TATTTATTAT ATGCATTTTA TATACATTAT TTTTCAACAG 60  
 CTGTATGTTT GCTATGTGGT ACAATCTTAA AAATTTGCTG ATTCATAGTT TGTAAAAACA120  
 AAACCTTACA AAACCTCATCA AAACCTCGCAA ACTGATCAGA AAAGTTTCTC GGAAGACTAG180  
 AAAAAATACT TTATTGTCTT AATCATGCAT TACACAAACA AAATCTTTAG TTACACCATA240  
 AAATTAAGCA CATCTAAAAA AATAAAACAG GGATAACTAG TCAAAACACA GCAGATTTCT300  
 GTATCCTGAT TCAACTATTT TTGTATCCTA TTTGTAATGC AAATAAACT TTAATCCAAA360  
 TATTTTAA CAAGTTAGTT TTGTTTGGAA TCATGGTAAA CCAAGATATA TATCTTAGGG420  
 GGAACCACCT TGGTTTGTAA TTTAACTAT AAAATACTCC AT 462

Name: 206 Len: 724 Check: 2100  
 GTCAGGGGCT GTAGCAAGTA CATTAGCTTC AAGTTCCTTA ACTTGGACAT TCAATATTC 60  
 TTCTTGCTCT ATTAACGCT GGATGCTTGC AGTAAATTTT TCTAGTGTGT TCCTCATTTCT120  
 TCGTTCACTA TGCCGTAACT TAACTACTCT TTCTTCAAGT TGTACTTTCT GTTCTTGGAT180  
 TTGCATTGCT TTTTATAGAGT CGTTTTGCAA CTGTGATTCC ATTTTGTTTA CCTCTTCTTC240  
 AGAGATTTCATA ATAACAAGTG AGGAACCCAT TCTTCTTTC ATTAATTTGC TTCCACCACC300  
 AGTCATTGTA CCTGACTGTT CTATGATTGG TCCCTGTAAA GTTACCACTC TCCATCTCT360  
 ATCTTTTTGA TATGCTACTC TTGTGGCTTG ATCCAAGTTG TCAGCTACTA AGGTATCTCG420  
 TAAAGCAAAA TAAAAAGCTT GGCGAATTTT CTCATCTTTT ACTTTTACTA AATCAAATAA480  
 ACGAGGAGTA TTTTCAGGAG TTTGAATTTT GGTCTCTTTT TTTAAGGAAG TTACACATTT600  
 ATCTAAACCT ATAAAAGTTG CAACTCCAAT ATTTTGTCT TTTAAGGAAG TTACACATTT600  
 CTTGGGCTAT ATCAATAGA TCAACCAACA ATGTAGTCCA GTGCATGACA ACAGGATGAT660  
 ATAACCACCT CGGATTTTTT ATTAATGGGT TCTAAGGCC CAATCGTCCA TATATTTCTG720  
 GAAC 724

Name: 207 Len: 371 Check: 1633  
 CCTCGTGCAA GTTANAGGTT CGCNGGNTNG CAGACCTCAC AGAAGATCAG CTACCCCTCCT 60  
 GTGAGAGTCT GAAGGATACT ATTGCCAGAG CTCTGCCCTT CTGGAATGAA GAAATAGTTTC120  
 CCCAGATCAA GGAGGGGAAA CGTGTACTGA TTGCAGCCCA TGGCAACAGC CTCCGGGGCA180  
 TTGTCAAGCA TCTGGAGGGT CTCTCTGAAG AGGCTATCAT GGAGCTGAAC CTGCCGACTG240  
 GTATTCCCAT TGTCTATGAA TTGGACAAGA ACTTGAAGCC TATCAAGCCC ATGCAGTTTC300  
 TGGGGGATGA AGAGACGGTG CGCAAAGCCA TGGGAAGCTGT GGCTGCCCAG GGCAAGGCCA360  
 AGAAGTGAAG G 371

Name: 208 Len: 359 Check: 57A  
 CGGCCATCAC CTCATTCTTG TCAAGGAGAA CCTCGTTGAC AAAATCTGGA CAGACCGTCC 60  
 TGAGCGCCCT TGCAAGCCTC TCCTCACACT GGGCCTGGAT TACACAGGCA TCTCCTGGAA120  
 GGACAAGGTT GCAGACCTTC GGTTGAAAAT GGCTGAGAGG AACGTCATGT GGTGTGTGGT180  
 CACTGCCTTG GATGAGATTG CGTGGCTATT TAATCTCCGA GGATCAGATG TGGAGCACAA240  
 TCCAGTATTT TNNTCCTACG CAATCATAGG ACTTAGAGAC GGTCTATGCTC TTCATTGATG300  
 GTGACCGCAT AGACGGCCCC AGTGTGTAAG GAGCACCTGN TTTCTTTAAC TTGGGCTTG 359

Name: 209 Len: 353 Check: 22DB  
 TGGCACGAGG CCGTGTCCAA GATGTTTTCA GTTCAACACA CAGTCTCCTC CATTATTTTG 60  
 ATCGTCTGAT TCTTACCGGA GCCGAAAGCA AAAGTAATGG GGAAGAGGGC TATGGCCGGA120  
 GCTTGAGATA CGCCGCTCTG AATCTTGCCG CCGTGCCTG CCGCTTCGGT CACTATCAAC180  
 AGGCAGAGCT CGCCCTGCAG GAGGCAATTA GGATTGCCCC GGAGTCCAAC GATCACGTGT240  
 GTCTCCAGCA CTGTTTGAGC TGGCTTTATG TGCTGGGGCA GAAGAGATCC GATAGCTATG300  
 TTCTGCTGGA GCATTCTGTG AAGANGGCAG TACATTTTGG GGTACCCTA CCT 353

Name: 21 Len: 561 Check: 1455  
 AGCCAGGTTT CCGAGGTGCT GAGAAGNCAN GAAACTCCGC AGACTACTCC TCAGAGAGCA 60  
 AAAAGCAGAA AACTGAAGAA AAGGAAATG CAGCTCGTTA TGACAGCGAT GGTGAGAAAA120  
 GTGATGACAA CTTGGTGGTT GACGTTTCCA ATGAGGATCC ATCTTCCCT CGAGGGAGCC180  
 CAGCACATTC CCCCAGAGAG AATGGCCTAG ACAAGACAG CCGTCTCAAG AAAGATGCCC240  
 CGATTAGTCC AGCCTCTATT GCATCTTCCA GCAGTACTCC CTCCTCCAAA TCCAAAGAAC300  
 TTAGCCTTAA TGAAAAATCT ACTACTCCCG TCTCAAAGTC CAATACCCCC TACTCCACGA360  
 ACTGATGCNG CCACCCCCAG GCAGTAACTC TANTCCCGGG ATTTGAGGCC TTGTANCTGG420  
 GAAAACCAAC AGGAGTTGGA CCTTTTGGGC TCAAGCCTAA GGACCCCAAT GGAAGTACC480  
 TTTGTCCATA TNCAANTCCA TTTGGGGATT GTGCCCATGC TGGAAATGAAC GGGGAGCTGA540  
 NCAGCCCCGG NGCGGGCTAC G 561

Name: 210 Len: 651 Check: EC9  
 TTTTTTTGAC TGTCITCACA TTAATGGAGA TTGGTGATTT CTCTTCAGCT TTTACTTCTC 60  
 TTGGTGATGA TGGCTTGGAG GCTGGAGAAA ATCCACCCAG GGTGAAAGG GCTGGAGTTTC120  
 CATCCGGATT CAATCCCTTT GCTTTTAATT TGCTTCTTG TAAGGCTACT TTTCTTTTTT180  
 CTACTTCTTT TTCCAGTAAT TCATAGTTTG GCTTTTTTCT GGTATAAAGC CTAGTGTTT240

134

CTATGCAGAT TTCCTGGATT TCCTCTTCTG TAGTACCAAA AAGAAGAAAC CAATGGGGAC300  
GAGTTGGCAA CSGAATCTGA AGTGCTCTAG CTGCAAGGTA GATGCAAGCA CATGCTATAG360  
TCTCTGGTTG AAATCGAACA AACACATTGG TTCGAAGACT GTCATTCTATG TAATCCAGG420  
CAGTTTGAAC CAGGGTTTGA TTACGTTTAC ATTCTAAGAC TTGTAAATAC ATAACAATGA480  
TCTTATGAGG ATGCTTGACA TGAACACAAA ATCCCAACTC CTTAGCACC CTCCTCTCTG540  
CTTTGATAAC TTGATTTTGG GTGTTAATGT AGTTCTGATC AAGGATCAGC GGGCTTGGAG600  
TCTTTTTCCT TTTAACTGGC GGAGGTGGTG GAATACATTA ATCACAATCTC 7 651

Name: 211 Len: 789 Check: F55  
CAAGAGCACT ACATGANGGG CTCTGACGGC GCGCCGGACA CTGGGTACCT GTGGCATGTT 60  
CCATTGACAT CCATCACCAG CAAATCCAAC ATGNNCCATC GATTTTGTCT AAAACAAAA120  
ACAGATGTGC TCATCCTCCC AGAAGAGGTG GAATGGATCA AATTTAATGT GGGCATGAAT180  
GGCTATTACA TTGTGCATTA CGAGGATGAT GGATGGGACT CTTTACTGG CCTTTTANAA240  
GGAACACACA CAGCAGCCAG CAGTAATGAT CGGGCAAGTC TCATTAACAA TGCATTTCAG300  
CTCGTCAGCA TTGGGAAGCT GTCCATTGAA RAGGCCCTGG ATTTATCCCT GTACTTGAAA360  
CATGAAACTG AAATATGCTT GAATGAAGTG GAAACTCAAT TCAAGGCCTT CCTCATCAGG480  
TTAATGGAGA AAAGAGATAT GAATGAAGTG GAAACTCAAT TCAAGGCCTT CCTCATCAGG480  
CTGCTAAGGG ACCTCATTGA TAAGCAGACA TGGACAGACG AGGGCTCAGT CTCAGAGCAA540  
ATGCTGCGGA GTGAACACT ACTCCTCGCC TGTGTGCACA ACTATCAGCC GTGCGTACAG600  
AGGGCAGAAAG GCTATTTTCAG AAAGTGGGAG GAATCCAATG GAAACTTGAG CCTGCCTGTC660  
GACGTGACCT TGGCAGTGTG TGCTGTGGGG GCGCAGAGCA CAGAAGGCTG GGATTTTCTT720  
TATAGTAAAT ATCAGTTTTT TTTGTCCAGT ACTGAGAAAA GCCAAANTGA ATTTNCCCTC780  
TTCAGAAAC 739

Name: 212 Len: 457 Check: D31  
CAATTAAGGG CTTTGGCGGG ATTGGCTCCG CGTTTGGGCT GGTCCGCTGC TCCCCACCTA 60  
CCAGGGTCCG ATCCGGAGCC CTTCCCGCGG GGGCGGGGAC CTCCAAACAA CCGACTCCTT120  
TCCAGCTGAA GAAACACTTA AATTCTGGAA ATAGCGACTC AGTATCATGG CCAGCAGCCT180  
TAATGAAGAT CCAGAAGGAA GCAGAATCAC TTATGTGAAA GGAGACCTTT TTGCATGCCC240  
GAAAACAGAC TCTTATGCCC ACTGTATCAG TGAGGATGTT CGCATGGGCG CTGGGATAGC300  
TGTCTCTTT AAGAAGAAAT TTGGAGGGGT GCAAGAACTT TTAAATCAAC AAAAGAAATC360  
TGGAGAAGTG GCTGTCTGTA AGAGAGATGG GCGATATATA TATTACTTGA TTACAAAGAA420  
AAGGGCTTCG CACAAGCCAA CTTATGAAAA CTTACAG 457

Name: 213 Len: 727 Check: 30C  
TTTTTTTGT GGTAAATATAT TGCTGCACTG AGTGTGTGCA ATTTTATTC AAGGTATCG 60  
TGATGCTGAG AAGTTTCGTT GATAACCTGT CCATCTCTAG TTTCACCGT CTTAATCAGA120  
AGTGTCTTTT TTGAGTGGGT ATCAACCAGA GGGAGTGAAT CCAGATTAGT TTCCCTCAGG180  
TTCAGGGAGG AAAAGTTTGG AAGAGGCAGA GAAATCCTGC TCTCCTCGCC TTCCAGCAGC240  
TTCCTGTAGG TGGCAATCTC AATGTCAAGG GCCATCTTAA CATTGAGCAG GTCTTGGTAT300  
TCACGAAGGT GACGAGCCAT TTCCTCCTTC ATATTCTGAA TCTCATCCTG CAGGCGGCCA360  
ATAGTGTCTT GGTAGTTAGC AGCTTCAACG GCAAAGTTCT CTTCCATTTT ACGCATCTGG420  
CGTTCAGGG ACTCATTGGT TCCTTTAAGG GCATCCACTT CACAGGTGAG GGACTGCACC480  
TGTCTCCGGT ACTCAGTGGG CTCCTGCTTT GCCTGGCGCA GGGCGTCAAT GTTCCGGTTG540  
GCAGCCTCAG AGAGGTGAGC AAAGTTGGAT TTGTACCATT CTTCTGCCTC CTGCAAGTTC600  
TTGGCAGCCA CACTTTTCAAT TTGTGACGT ACGTCACGCA GGGCAGCGCT GAGGTCAAGC660  
TTGGAACAT CCACATCGAT TTGGACATGC TGTTCTTGGA TCTGAGCCTT GCGCTTCTGG720  
ATTTCTT 727

Name: 214 Len: 622 Check: 19DE  
GCTCCTGTCA GTACACACTC CCAAACAGTT AAACCCAGCT CTAATTCCAA CTCTGCAAGA 60  
GCTTTTAAAG AAATGCAGGA CTTGTCTGCA ACAGAGAAAC TCACTCCAAG AGCAAGAAGC120  
CAAGAAAGA AAAACTAAAG ATGATGAAGG AGCAACTCCC ATTAAGAGG GCGGTGTTAG180  
CAGTGATGAG GAGCACACTG TAGACAGCTG CATCAGTGAC ATGAAAACAG AAACCAGGGA240  
GGTCTGTACC CCAACGAGCA CTTCTGACAA TGAGACCAGA GACTCCTCAA TTATTGATCC300  
AGGAACGTGAG CAAGATCTTC CTTCCCTGTA AAATAGTTCT GTTAAAGAAT ACCGAATGGA360  
AGTTCCATCT TCGTTTTTCA AAGACATGTC AAATATCAGG TCACAGCATG CAGAAGAACA420  
GTCCAAACAT GGTAGATAG ACGATTGTAA AGAATTTAAA GACCTCCACT GTTCCAAGGA480  
TTCTACCCIA GCTGAGGAAG AATCTGAGTT CCCTTCTACT TCTATCTCTG CAGTTCTGTC540  
TGACTTAGCT GACTTGAGAA GCTGTGATGG CCAAGCTTTG CCCTTCCAGG ACCCTGAGGT600  
TGCTTTATCT CTCAGTTGTG GC 622

Name: 215 Len: 448 Check: EDC  
ATAGTTAAAC AACTTTATTA ACATAGTCAA GCAGTGATTA ACATTACAT CTATTATGTC 60  
ACATCATACA AATGTAAATA CAAAATTACT ACAGTACAAT ATATATTCTC TGCATGATCC120  
AAAATATTTG GTGGCCCCAA AAAACTCTCT TTAATAATTCA GCAGCTTATC AAAAATTPAA180  
ACCGTATTCT ATTTAAATG GAGATCTGTT AGCACAGAGT TAGACTTCAA GAAATATCAA240  
TTTAGTACAG TTTGAGAAGT TGCAGGAGGA TATGTTTGAA GGACACATTC TAACATAGTG300

135

TGGCAGGTAC AGGAAACATC AGATTTAAAG CTTTTAAGCA TAACTCATAC AACCTAAGTT360  
GTCAGCAGAA AGATCCAGTT ATATTTGTAA CTAAAGCTAA TGCTACTAAA TTATTGCACC420  
CAATGTAAAC ATATTAAGTG TAAAACTG 448

Name: 216 Len: 595 Check: D43  
TCTGTTCTAA TGTATCATTA AGCTCCTTAA AATACTGGAG AACAGCTTCC TTATCGCCTT 60  
GGATCATTTT CTCAGAATGA GATTTTGTGTT CTTTCAGCTT TTCAATAAGA TGGGTAAAGAT120  
CTGTCCAGTG TGTGTCAAGTC AACTGTTCAA GCAGTTTTTG AGGAGTGTCC TTTTCTTTCA180  
AATAGGCACT TTGAAGGTCA TCTATAGGAT GACCATGATE TTGACCTATG GTAAGGCAAT240  
GACCACAAAC TAATTTTTTA TCTAATAGAC AGTAAACATT TAATGGTTGC CTGTAATGTT300  
CAGGGCAGGT GACAATATCT GGATGGTCTT CTTGCTGGTA CTTTTCAATA ATAGCCCTTA360  
GTGCAAAATT AACAGGTAAA GATTCAATGC CAGTTGGAGC AATTTTCAGTA ATACTTCTGC420  
AATTAGGGCA CTTGAGTGGG ATTCTGTAAG GTCTCCATAT ATAAAAGTTA CCAGATGCCT480  
GAAGAATGTT TTCCAAACAA TTTCTACAAA ATGTATGAGA GCATGGCAGT ACACGAGGAT540  
CTTCAAAAT ACTATAACAT ATGGGACAAG TTAACCTTG CTCANAATTG TGCAT 595

Name: 217 Len: 153 Check: 330  
AAGTGGGTGG GCTTGCCAAG CTCGACACCA GTGCGACTGA GGCCAGGGCC CTCGGCCTTC 60  
ACCTTACTGG CGTCATGAGA GGGCTCCACC TTGACTCGGA TGGGGCTGGT GGCGCTGGCC120  
TGGTCAGCAA AGAGGACCAT AATGGTGTAG CTG 153

Name: 218 Len: 446 Check: 9BD  
TAGATGGCTA CTTCCGGGCTC ACAGCAGATG CCCATCATTA CCTCTGCACC GACGTGGCCC 60  
CCCCGTTGAT CGTCCACAC ATACAGAATG GCTGTCTATG TCCAATCTGT ACAGAATACG120  
CCATCAATAA ATTGCGGCAA GAAGGAAGCG AGGAGGGGAT GTACGTGCTG AGGTGGAGCT180  
GCACCGACTT TGACAACATC CTCATGACCG TCACCTGCTT TGAGAAGTCT GAGCAGGTGC240  
AGGGTGGCCA GAAGCAGTTC AAGAACTTTC AGATCGAGGT GCAGAAGGGC CGCTACAGTC300  
TGCACGGTTC GGACCGCAGC TTCCCCAGCT TGGGAGACCT CATGAGCCAC CTCAGAAGC360  
AGATCCTGCG CACGGATAAC ATCAGCTTCA TGCTAAAACG CTGCTGCCAG CCCAAGCCCC420  
GAGAAATCTC CAACCTGCTG GTGGCT 446

Name: 219 Len: 581 Check: A7F  
ACGGATAGCG GATCTGCGAC AGGGGCTGCT GGACATCAGC AACCATTTCA TCCCCCTGTC 60  
TGGGCACCTT GGCTGGTAGA CTATTTTCCA TCCGAGTCTC CTCTTCAGCT TTTTCCGTTT120  
GCTCAGTTTT TGGTTCATCT TTCCTCTCAA ACTGTGATGC TTCTTGAGAC TGATGGTCTG180  
AAGGAGTACC TGGTCTAGCA GATGATGATG AGGTCTGGGG AGTTTCCTCA CTAGCTTCAA240  
CTCCTACTCT ATCTGTTTTT TCTCCTTCTT TCTTATTTGT CTTATCGGGT TCTTTGGCCT300  
CTTCATTATG GCTACCCTCA GAGTCAGAGC ACTCCTCCCC TTCGTCCACA GGCCGGAAGT360  
CCATCTCCTG CTCTTCTGGA ATAGGCTCTT TCTGTACTTT TTTTAGAGAA AGGAATGCTC420  
CAGATGAGTC AAATGTACCC ATTTCTTCTT CAGCATCCTC TAAGCACCAT TCGGGCAAGC480  
TATCCCTGTC ATCATCTATG CTTCCACTGC CAGAGCGAAC CCGATAAGAC AAATAAGAA540  
GAAGGAGAGA AAACAGATCC GCTAGCAGAT CCGCTATCCG T 581

Name: 22 Len: 450 Check: C1B  
CCAGAGTTTT ACATTACACT TGTCTGTCTT ATAATTGATA TTTTAGGATG TTTGGGTGTT 60  
TGTTACAGGC AGAATTGGAT AGATACAGCC CTACAAATGT ATATGCCCTC CCCTGAAAAA120  
AATTGGATGA AAATCTGCAC AGCAAAGTGA AACACACAGA TAATAGGAAC AAAATGTAGT180  
TCCCATGTGC CAACAAAAAT AAATGAAATC TCTGCATGTT TGCAGCATAT CTGCCTTTTG240  
GGAATGTAAT CAAGGTATAA TCTTTGGCTA GTGTTATGTG CCTGTATTTT TTTAAATGG300  
TACACCAGAA AAGGACTGGC AGTCTACTTC TACCATAGTT AAACCTCACC CTCTTTAATT360  
TCACAACATA TTCTTTGGAA GCAGGAAGAA ATGCTCATAA AGAGGATCAG ACCTTCTTTC420  
CCGTGAAACC AGTATTTGGC GCCATATATA 450

Name: 220 Len: 372 Check: B74  
TTTGAACATA ATAGCACGAT GTTGAATCC GACTTGGGGA CCATGGTGAT AAACAGTGAG 60  
GATGAGGAAG AAGAAGATGG AACTATGAAA AGAAATGCAA CCTCACCACA AGTACAAAGA120  
CCATCTTTCA TGGACTACTT TGATAAGCAA GACTTCAAGA ATAAGAGTCA CGAAAATGT180  
AATCAGAACA TGCATGAACC CTTCCCTATG TCCAAAAACG TTTTCTCTGG ATTAAGTGG240  
AAAGTTCCCTC CAAGATGGGA GACTTTTTGA CTTTTTTTGG AAAAACTCTA AGTTTTAGGN300  
AGGAACCTTAC CAGGTGCGG GTTTAAAAAG GCACCTGGGA CCCCCATGGT TGGGGAACGG360  
GGNGGTTAGG GA 372

Name: 221 Len: 448 Check: 77C  
TTTTTTTTTT TTTTATGATG CACTCCAAGT GCCATATGTC TATTTTATTC TTCAGGAAAT 60  
TATATTTTTT TTTTACAAGA GCACAACAGG AACCAGAGTA AAAGAGTAAT AGATACAGCA120  
CTCAGGATAA ATCATATCTT TAAAAATAA ATAAAAAAT TTACACCTTG TCCTATATCC180  
TGTTAGTATT TTCATATAT GGCCATGATT GAAAAAACAA AAAGCAAGCA TCTACAATTT240  
TTTTTGATAA AGACTTTTTA TGCCAGGAAT GGATTAATTA CCAACAAAAT TTATACTAAT300  
CAGGCTGATG TCAATCTATT TTTGTAATGT ATCATTAACA AATTTATTTT GGAAAGATA360  
AAAAATATTGC CCCTTGATAA TAAATCTTTT TTTCTTTTGA TGCAACAGC TAGAACACCT420

136

443

TTTTCTTTTT CTTTTTGATA TTCTAAGA  
 Name: 222 Len: 373 Check: A98  
 GTTGACATG CCGTCGGCCA TGACTGTGTA TGCTCTGGTG GTGGTGTCTT ACTTCCTCAT 60  
 CACCGGAGGA ATAATTTATG ATGTTATTTG TGAACCTCCA AGTGTGCGTT CTATGACTGA120  
 TGAACATGGG CATCAGAGGC CAGTAGCTTT CTTGGCCTAC AGAGTAAATG GACAATATAT180  
 TATGGAAGGA CTTGCATCCA GCTTCCTATT TACAATGGGA GGATTAGGTT TCATAATCCT240  
 GGACCGATCG AATGCACCAA ATATCCCAA ACTCAATAGA TTCCTTCTTC TGTTCAATTGG300  
 ATTCGTCTGT GTCCTATTGA GTTTTTTGAT GGCTAGAGTA TTCATGAGAA TGAAACTGCC360  
 GGGCTATCTG ATG 373

Name: 223 Len: 386 Check: 824  
 GGCACGAGGC TTCAAGCTAC TGCGGAAATG CATCCTGCAG ATGACCCGGC CTGTGGTGGA 60  
 GGGGTCCCTG GGCAGCCCTC CATTGAGAA ACCTAATATT GAGCAGGGTG TGCTGAACTT120  
 TGTGCAGTAC AAGTTTAGTC ACCTGGCTCC CCGGGAGCGG CAGACGATGT TCGAGCTCTC180  
 AAAGATGTTT TGGCTCTGCC TTAACACTG GAAGCTTGAG ACACCTGCCC AGTTTCGGCA240  
 GAGGTCTCAG GCTGAGGACG TGGCTACCTA CAAGGTCAAT TACACCAGAT GGCTCTGTTA300  
 CTGCCACGTG CCCCAGAGCT GTGATAGCCT CCCCCGCTAC GAAACCACTC ATGTCTTTGG360  
 GCGAAGCCTT CTCCGGTCCA TTTTCA 386

Name: 224 Len: 593 Check: 106B  
 GGCACGAGGA TTGCACACCT AAACCTTCGA GATCATCAGC TGCCCTTTCAA ACATTTAATT 60  
 GGCCAGGTTA TGATTGACAA AAATCCAGGA ATCACCCTCAG CAGTAAATAA AATAAATAAT120  
 ATTGACAATA TGTACCGAAA TTTCCAAATG GAAGTGCTAT CTGGAGAGCA GAACATGATG180  
 ACPAAAGGTT CAGAAAAACAA CTACACCTAT GAATTTGATT TTTCAAAAGT CTATTGGAAT240  
 CCTCGTCTGT CTACAGAACA CAGCCGTATC ACAGAACTTC TCAAACTGGG GGATGTCCTA300  
 TTTGATGTTT TTGCTGGGGT TGGGCCCTTT GCCATTCCAG TAGCAAAAGAA AAACCTGCACT360  
 GTATTGCCA ATGATCTCAA TCOTGAATCT CATAAATGGC TGTTGTACAA CTGTAAATTA420  
 AATAAAGTGG ACCAAAAGGT GAAAGTCTTC AACTTGATG GGAAAGACTT CCTCCAAGGA480  
 CCAGTCAAAG AAGAGTTAAT GCAGCTGCTG GGTCTGTCAA AAGAAAGAAA ACCCTCTGTG540  
 CACGTTGTCA TGAACCTGCC AGCAAAAGCT ATAGAGTTTC TTAGTGCTTT CAA 593

Name: 225 Len: 477 Check: 26B9  
 GTAAGTTTCA CCGGCCCGCT CCGGCCGGCC CTGCGCCTCC CGCCGCGCCC GGGATGTATT 60  
 CGTCCCCGCT CTGCCTCACC CAGGATGAGT TCCACCCGTT CATCGAGGCC CTGCTGCCTC120  
 ACGTCCGCGC CTTGCGCTAC ACCTGGTTCA ACCTGCAGGC GCGGAAGCGC AAGTACTTCA180  
 AGAAGCACGA GAAGCGGATG TCGAAGGACG AGGAGCGTGC GGTCAAGGAC GAGCTGCTGG240  
 GCGAGAAGCC CGAGGTCAAG CAGAAGTGGG CGTCCGGGCT GCTGGCCAAG CTGCGCAAGG300  
 ACATCCGGCC CGAGTGCCGC GAGGACTTCG TGCTGAGCAT CACCGGCAAG AAGGCGCCGG360  
 GCTGCGTGCT CTCCAACCCC GACCAGAAGG GCAAGATGCG GCGCATCGAC TGTCTCCGGC420  
 AGGCGGACAA GGTGTGGCGG CTGGACCTGG TCATGGTCAT CCTGTTCAAG GGCATCC 477

Name: 226 Len: 299 Check: DE7  
 GCCAAAGCTC AATACCCCAT TGCTGATTG GTAAAGATGC TCACTGAGCA AGGCAAAAAA 60  
 GTCAGGTTTG GAATTCACCC AGTTGCAGGC CGAATGCCTG GNCAGCTTAA TGTGCTGCTG120  
 GCTGAGGCTG GTGTGCCATA TGACATTGTG TTGGAATGG ATGAGATCAA CCATGATTTT180  
 CCAGATACTG ATTTGGTCTT TGTAATTGGA GCTAATGACA CTGTTAATTC AGCAGCTCAA240  
 GAAGATCCCA ACTCTATTAT TGCAGGCATG CCAGTCCTTG AGGTCTGGAA ATCAAAGCA 299

Name: 227 Len: 390 Check: 2565  
 GAGTGAAGGA GTTGAACTT TTCTTGTTAG TGTACAACTC ATTTTGCGCC AATTTTCACA 60  
 AGTGTGTTGTC TTTGTCTGAA TGAGAAGTGA GAAGGTTTTT ATACTCTGGG ATGCAACCGA120  
 CATGTTCAAA TGTTTGAAAT CCCACAATGT TAGACCAATC TTAAGTTTCG TAAGTTATTT180  
 CCTTTAAGAT ATATATTAAA CAGAAATCTA AGTAGAACTG CATTGACTAA CCAGTCCCTC240  
 TGGATGGTGG TGAACCTGAA GCATGCTTTA ACCTCTAAGA CTGTCTAACA CGCGTTTCAT300  
 TCAATGTCTC CACAGACTGG GTAGCAAAAA AATCACCTTT TAGTTTTAGT TTTTAATCTA360  
 AAGATGTTAG ACAGATGCTG AGTGTGCGTT 390

Name: 228 Len: 423 Check: 1661  
 TTCCTCTGTC GGGTGTGGCC AAGTGGGGAT AAAGAGAAGA GCAACATCTC TAATGACCAG 60  
 CTCCATGCTC TGCTCTGTAT CTACTTGGAG CACACAGAGA GCATTCTGAA GGCCATAGAG120  
 GAGATTGCTG GTGTTGGTGT CCCAGAATCT ATCAACTCTC CTAAAGATGC ATCTTCTCTC180  
 ACATTCCTTA CACTGACCAG GCATACTTTT GTTGTGTTCT TCCGTGTGAT GATGGCTGAA240  
 CTAGAGAAGA CCGTGAAAAA ATTGAGCCTG GCACAGCAGC AGACTCGCAG CAGATTTTCAT300  
 GAAGAGAAAC TCTCTACTG GGAACATGGG CTGTTTCGAGA CTTCAATATC CTCATTCAAC360  
 TTGGATTAAA GSTATTTTGA TAGTTCATCC TGTTNCTGGC ATGTATGTTT GGAAGGGAAG420  
 GAT 423

Name: 229 Len: 417 Check: 1300  
 TAGAAAAGAA AAGAAAACCT GAAACTAATC CTGATATTAA GCCATCAAAT GTGGAACCTA 60  
 TGGAAAAGGA GTTTGGGCTT TGCAAAACTG AGAACAAAGC CAAGTCGGGC AATCAGAATT120



137

CAAAGAAGCT GTACTGCCAA GAACTTAAAA AGGTGATTGA AGCCTCCGAT GTTGTCTAG180  
 AGGTGTTTGA TGCCAGAGAT CCTCTTGGTT GCAGATGTCC TCAGGTAGAA GAGGCCATTG240  
 TCCAGAGTGG ACAGAAAAAG CTGGTACTTA TATTAAATAA ATCAGATCTG GGTACCAAAG300  
 GAGGATTTGG GAGASCTGGG NTAAATTATT TTGAAGGAAA GATTTGCCCA ACAGTGGGTG360  
 TTTAGAGCC TCAACCAAAA CCCAAGGGT TAAAGGGGGN GGTTTACCCA GGGTTTC 417

Name: 23 Len: 476 Check: 213A  
 CGTACTGCTT CCGATATGGT ATCGACATCC CGTATCTTAG TTGCAGTAGT GAAGATGTGC 60  
 TATGAGGCTA AAGAATGGGA TTTACTTAAT GAAAATATTA TGCTTTTGTG CAAAAGCGGG120  
 AGTCAGTTAA AACAGCTGT TGCCAAAATG GTTCAACAGT GCTGTACTTA TGTTGAGGAA180  
 ATCACAGACC TTCCTATCAA ACTTCGATTA ATTGATACTC TACGAATGGT TACCGAAGCA240  
 AGATTTATGT TGAATTTGAG CGTGCCCGAC TGACTAAAAC ATTAGCAACT ATAAAAGAAC300  
 AAAATGGTGA TGTGAAAGAG GCAGCCTCCA TTTTACAGGA GTTACAGGTG GAAACCTACG360  
 GGTCAATGGA AAAGAAAGAG CGAGTGGAAAT TTATTTTGGG GCAAATGAGG CTCTGCCTAG420  
 CTGTGAAGGA TTACATTGCA ACACAAATCA TCAGCAAGAA AATTAACACC CAAATT 476

Name: 230 Len: 441 Check: 1340  
 CAGTTTCTAG TATTTGAATC GACAAGACAC CTCCTCTGAT TCTCCATGTA TGCGCTGACC 60  
 AGCCTGGACC CTGCCAGTGA GCCAATCAGT TATGTTAACT TTACCATTGC AGAACGGGCA120  
 CAGAGGGTTG TTGTATGGCT CGGTCCAGAAC TTTCTGTTAC CAGAAGACAC TCACATTGAG180  
 AATGCTCCAT TTCAAGTGTG TTTTACATCT TTACGGAATG GCGGCCANCT GCATATAAAA240  
 ATAAACTTA GTGGAGAGAT CACTATAAAT ACTGATGATA TTGATTTGGC TGGTGATATC300  
 ATCCAGTCAA TGGCATCATT TTTTGCTATT GAAGACCTTC AAGTAGAAGC GGATTTTCTC360  
 GTCTATTTTG AGGGAATTAC GGAAGGTGC TAGTTAAGGT GGATGAATAT CCTTTCAGTG420  
 CATTGAGAAG CTCCAGTGCT T 441

Name: 231 Len: 333 Check: 8BC  
 GGTGTCCCAG GAAGTCAGCC ATTACTCCCC AGTGGAAATGG ATCCAACCTG ACAACAAGGA 60  
 CATCCAPATA TGGGTGGGCC AATGCAGAGA ATGACTCCTC CAAGAGGAAT GGTGCCCTTA120  
 GGACCACAGA ACTATGGAGG TGCAATGAGA CCCCCACTGA ATGCTTTAGG TGGCCCTGGG180  
 AATGCCTGGG AATGAACATG GGTCCAGGTG GTGGTAGACC TTGGCCAAAC CCAACAAATG240  
 CCAATTTCAA TTACCATACT CCTTCAGCAT CTCCTGGGGA ATTTATTGTT AGGTCTCCA300  
 GGGAGGTTGA NGGGCCACCA GGNACACCC TTC 333

Name: 232 Len: 402 Check: 1753  
 CCTTTTACAG AGACTCACTT GTCACTCACT GCCATAGAGT ACAGCCACAG CCACGACAGG 60  
 TACCTACCAG GTGAAACCTT TGTCTTGGGG AATAGTCTGG CCCGCTCCTT GGAACACAC120  
 TCAGACTCAA TGGACTCTGC CTCAAATCCC ACCAACCTTG TCAGCACCTC CCAAAGGCAC180  
 CGGCCCTTGC TTTTATCCTG TGGCCTCCCA CCAAGCACTG CCTCAGCTGT GCGCAGGCTA240  
 TGCTCCAGGG GGTCCGACCG ATACCTGGGA GAGCCGCGAT GCCTCTTCGA CTGAGTGGCC300  
 GGGACCCCTT CCTTCATGGG ACAGTTCCAG GATGTTGATT GCAGTTTGT TCCGGGGAAG360  
 GTTGATTCTT CAGGTTTGGG ACCCAAGGT TGAACCTGTT TT 402

Name: 233 Len: 492 Check: 1260  
 TGGGATCATA AGGAGCCCTT AAATACTTGT TATTGACTGG GGTTATTTTT ATGCTGTAGC 60  
 AAATGTGACA GGCTCTTTT AGCAAAATTT TTGAAATTT TTTTGGTATT ACTCTGAAAC120  
 AAAATTTAAG TTGGAGTTTC AGGCATTTAG GGAGTAGTTT TCATTCTACA TGAAGTGGG180  
 TAATATTATG GTAATCTCAA TATTTGGTTA AAAAACTAT ACAAATCAGA ATAGTACTAA240  
 AATACTGTAG GAATTTTAGG CATTTTTATT TTGCACTTTG TGTGGGATTG AGGGTGTTC300  
 GGAATAACCC AACCCATTAA AAATGTAATC TAGTTGGGCC AAAGGGTGTG CGGCTTAAA360  
 CACGGGAACC CGAACNTGGC NTTGNTTGG GGNAACTTT TTGAGGGGTT TTTTGTCCAA420  
 NAGGCCNTGT GGAGGAGTTA CCATTTTTCN TTAAGGTTG GGTGGGTCCC CCTGTCCAGA480  
 GTTCTNNGGG AC 492

Name: 234 Len: 321 Check: 7  
 CGTGGCACTC CACCAGCTCT ACCAATACAC GCAGAAGTAC TATGACGAGA TCATCAATGC 60  
 CTTGGAGGAG GATCCTGCCG CCCAGAAGAT GCAGCTGGCC TTCCGCTGC AGCAGATTGC120  
 CGCTGCACTG GAGAACAAGG TCACTGACCT CTGACCTACA ATCTCCAGTG CTGCCTTGGG180  
 ACATAGGTAC CTGAGGTACC TGAGAGCCCC TCAGGGANGG NGGCCGAGTG GCTGTGGCTG240  
 AGGCCCCCAC COTCCCCCTG GAACGCGCCC CAAGCCGGAN TGGGTGCAGC CGGAACCCGN300  
 CCAGCGTTTT AGACTGTAGC A 321

Name: 235 Len: 359 Check: 1B4B  
 GCTTGCTATG AAGCAGTGTG TGAATGGACA AIGTTGAATG AATGTCTGGC TCAGTGATGG 60  
 AGAGCCAGGT TCATCTTTGA AATCTAGGGC TCTTCACTCA TGAAGCAGAC TCCTAGTCTT120  
 GGAGTGAAGT TGTACGAGAG CGTGGTTGTG GTGCTGTATG TGAACGCATG CAAGCTTGAT180  
 TCACCTTCAG GGGGCTGATA ACCTAGTAAA TCATCAAAAT GAGATCATAA GTGTTAATGT240  
 ACACTGGACA TGAACACAAA GACTGGTTTA GCAGCAGACA TTGGTTTACT CTGCAGCCTG300  
 TGTTTTCTGT TTCCCCCTTT CCCACCTCCT TCCCCCACC CAATCCTTTT TTTTTTTT 359

Name: 236 Len: 306 Check: 3C9

138

GTGATGATGG GCAGCCTGGT GTACCTGCGG CTGGGCTTGG AGAAGTCACC CTACTGCCAC 60  
 CTGCTGGACA GCAGCCACTG GGCAGAGATC TGTGAGACCT TTACCCGGGA CGCCTGTTCC120  
 CTGCTGGGGC TTTCTGTGGA GTCCCCCCTT AGCGTCACTT TTGCCTCTGG CTGTGTGGCG180  
 CTGCCTGTGT TGATGAACAT CAAGGCTGTG ATTGAGCAGC GGCAGTNCAC TGGGGTCTGG240  
 AATCANAAGG ACGANTTACC GATTGAGATT NAACTAGGCA TGAAGTNCCTG GTACCACTCC300  
 GTNTTC 306

Name: 237 Len: 395 Check: 23DC  
 GTCAAAATAT PACAGTAGAA TCTGAGTGTA ATATGTGTAA CCAAAATGAG AAAGAATACA 60  
 AGAAATGTTT CTGGAGCTAG TTATGTCTCA CAATTTTGTA GAATCTTACA GCATCTTTGA120  
 TAAACTTCTC AGTGAAAATG TTGGCTAGGC AAGTTCAGTT AAAATATAGT AGAAATGTTT180  
 ATCCTGGTAT CTCTAAGTAT ACATTTAATT GTACAGAAAA TTTACAGTGT AACATTGTTC240  
 AACATTTGCA GATTGACTGT ATATGACCTT AATCTTTGTG GCAGCCTGAA GGATCAGTGT300  
 AGTTAATGCC NGGGGAAAGT GCTTTTTTAC CTAGGACTTC CNTTCTCAGC TTCTCCCCCT360  
 AAAGAGACCC CTAANTATGG CCNTTTTGGN TTTGT 395

Name: 238 Len: 440 Check: 1545  
 GACAATCCAT TAATTCAGC TGCGTGCATA GATCACATTT TTAATGTA AAAATGCAAG 60  
 CAAAAACAGC TGTAACAAAG AAAGTGTGCT CAAGGACCAA AGATTTAACA GATAAAAAATA120  
 CCCAATTAGA AGAGATATAG TAGACTATAT GAAGAGAGAT TATATTTGTT ACACACCAAT180  
 ATACATCAAA GTGCCTGTTG CCTTCTGAAA ATTTGAAGTG GCAAAATTAT TTTATGGTTT240  
 AATGATTATT TTATTTTATC AGGGACTGCC TCAAGAAGAA AATAACATAA GCTTGTGGAA300  
 TGGGTGGGAG AAAATGCCCT ATTTTTTCTT GGCAATACT TGTATTAAAG TTAACNTTGT360  
 TGGATCNTGA TATTATCCTA GGGTACNGTG TATGTGTGTA TTAATTATAN GGTGTGTGTG420  
 TANATTATAC CNTTTATATA 440

Name: 239 Len: 507 Check: 26E2  
 NGGCTCCTAT CAGTGCACCT GCCCTGATGG TTACCGCAAG ATCGGGCCCCG AGTGTGTGGA 60  
 CATAGACGAG TGCCGCTACC GCTACTGCCA GCACCGCTGC GTGAACCTGC CTGGCTCCTT120  
 CCGCTGCCAG TGCSAGCCGG GCTTCCAGCT GGGGCCCTAAC AACCGCTCCT GTGTTGATGT180  
 GAACGAGTGT GACATGGGGG CCCCATGCGA GCAGCGCTGC TTCAACTCCT ATGGGACCTT240  
 CCTGTGTGCG TGCCACCAGG GCTATGAGCT GCATCGGGAT GGCTTCTCCT GCAGTGATAT300  
 TGATGAGTGT AGCTACTCCA GCTACCTCTG TTCAGTACCG CTGCGTCAAC GAGCCAGGGC360  
 CGTTTNTTCC TGGCCACTGC CCACAGGGTT TACCAGCTGN TGGGCCAAAA GGNTTTTGCC420  
 AAGAACATTT GATTGAGTGT TGAGTTTGGT TGCGNAACAG TGGTTCCGAG GGNCCAAANT480  
 TTGTTAAATT TCCATGGGGG TTAACGT 507

Name: 24 Len: 278 Check: DEF  
 AATTCGGCCC GAGGGTCCCT GGTGCAGATC CACGAAAAAA ACGGCTGGTA CACACCCCCA 60  
 AAAGAAGACG GCTAACCCCTG GAGTATCACC CTTCCTCCCT CCCCAGGCAC CACTGGACCA120  
 ATTACCTTTG AATGCTGTAT TTGGATCTCA CGCTGCCTCT GTGGTTCCCT CCTCATTTT180  
 TCCTGGACGT GATAGCTCTG CCTATTGCAG GACAAATGATG GCTATTCTAA ACGCTAAGGA240  
 AAAAAACAA ACACAGGACT GTTNAAGT ACTCAAGA 278

Name: 240 Len: 369 Check: 1CF5  
 GAGACAGATG GCCCACCAGG AGCTGTTGCT CTGGTTGCCT TCCTGCAGGC CTTNGAGAAG 60  
 GAGGTGCGCA TAATCGTTGA CCAGAGAGCC TGGAACCTGC ACCAGAAGAT TGTTGAAGAT120  
 GCTGTTGAGC AAGGTGTTCT GAAGACGCAG ATCCCGATAT TAACTTACCA AGGTGGATCA180  
 GTGGAAGCTG CTCAGGCATT CCTGTGCAAA AATGGGGACC CGCAGACACC TAGATTTGAC240  
 CACCTGGTGG CCATAGAGCG TGCCGGAAGA GCTGCTGATG GCAATTACTA CAATNGCAAG300  
 GAAGATGGAA CATNCAAGCA CTTNGGTTGA NCCCATTTNA ACGATCTNTT TCTTTNGCTT360  
 GCGAGGANG 369

Name: 241 Len: 248 Check: 1F04  
 AATCTAATTC AAATTGTCAA AGCTACAAAA GGGGGGAAGA CATCTGTATT ANTTTTGCTA 60  
 AGTCACAACA TCCTAAAACA AAATACTACT ACTGTCAGCA GATCCATTAT ACACATTTCT120  
 GATGAAATCC ATTAGAACAA TAAAAATTTT ATCTTGAGAA ATAGCCACAA TGAAAGTAAT180  
 TTACACAATA TAAACAATG ACAGNTCTAC AGATGCAGTT GCTCATGAGT TTACACATGC240  
 ATACACAA 248

Name: 242 Len: 288 Check: D09  
 GTTTCACAAA TTTACTGTAC ATGATCAGTT TGGTGTCTT GTACCACAGT TTTTAACTGA 60  
 AGGAACCACT TGTAACAGTC TCAATTTTAA CTAAAACTTG AAGAACTAAA ACAACAATGC120  
 AAACCTTTCA GCATTGTTTG GCCAACTTG TTAATACTGT AATGCAAGAA CCAAATGCAC180  
 TGTGATGTGG CACCAACTAA TTAGCAAGCA TGAHTTTYTC ACCCAAGAGT GAAAAARGGA240  
 AAATCTACCA TGGCTTGAAG TTAAAGRGCA GAMCTCCTGA CTACCATT 288

Name: 243 Len: 423 Check: 1FE0  
 AAAGAGTTAA GGAAGGCAGG TTGTNCTTCT ATTCAAGNCA CTCTTCGTTT TNCATGTACT 60  
 GCATGCTGTT TGTGGCACTT TATCTTCAAG CCAGGATGAA GGGAGACTGG GCAAGACTCT120  
 TACGNCCCAC ACTGCAATTT GGTCTTGTTG CCGTATCCAT TTATGTGGGC CTTTCTCGAG180

139

TTTCTGATTA TAAACACCAC TGGAGCGATG TGTTGACTGG ACTCATTTCAG GGAGCTCTGG240  
 TTGCAATATT AGTTGCTGTA TATGTATCGG ATTTCTTCAA AGAAAGAACT TCTTTTAAAG300  
 ANAGAAAAGA GGAGGACTCT CATACAACTC TGGCATGGAA ACACCAACAA CTGGGGAATC360  
 ACTNTGCCGA GCCAATCACC AGCCTTGAAA GGCAGCCAGG GTGCCNAGGT GAAGCTGGCC420  
 TGT

Name: 244 Len: 460 Check: 1420  
 CCAACAGTAT CTCCTGCATC AAACGCCTCT CTGGGCTCCT CAAAGTCCTT GATATCATGC 60  
 CCTTGACCTT GCATGCCTGT ATGCACCAGA AGCAGAGSCT CAGAAACCTG GAGCAGTTTG120  
 CCCGTCTGGA AGACTGTGTT CTCTTG3CAA CAGATGTGGC AGCTCGGGGT CTGGATATT180  
 CTAAAGTCCA GCATGTCATC CATTACCAGG TCCCACGTAC CTCGGAGATT TATGTCCACC240  
 GAAGTGGTCG AACTGCTCGA GCTAGCAATG AAGGCCTCAG TCTGATGCTC ATTGGGCTTG300  
 AGGATGTGAT CAACTTTAAG AAGATTTACA AAACGCTCAA GAAAGATGAG GATATCCCAC360  
 GTTTCCCGCT GCAGACAAA TACATGGGAT GTGGTTCAAG GAGCGAATCC GTTTTAGCTC420  
 GACAGATTTG AGGAATCTGA GTATTCCGAA CTTTCNGGT 460

Name: 245 Len: 2533 Check: B49  
 CCAAGCCCAT GAGGGCCGCG CGCCCGGCGG CCGGTGCTGA CGAGACGGAG CTCCTGGCCC 60  
 CCGAGGAGGA GCAGAGGATC AATGCGETTC AAGAATCGAT TCCAGCGGTT CATGAACCAT 120  
 CGAGCTCCAG CCAATGGCCG CTACAAGCCA ACTTGCTATG AACATGCTGC TAACTGTTAC 180  
 ACACACGCAT TCCTCATTGT TCCGGCCATC GTGGGCGAGT CCGTCTCCA TCGGCTGTCT 240  
 GATGACTGCT GGGAAAAGAT AACAGCATGG ATTTATGGAA TGGGACTCTG TGCCCTCTTC 300  
 ATCGCTTCTA CAGTATTTCA CATTGTATCA TGGAAAAGA GCCACTTAAG GACAGCGGAG 360  
 CATTGTTTTC ACATGTGTGA TAGAATGGTT ATCTATTTCT TCATTGCTGC TTCTTATGCT 420  
 CCATGGTTAA ATCTTCGTGA ACTTGGACCC CTGGCATCTC ATATGCGTTG GTTTATCTGG 480  
 CTCATGGCAG CTGGAGGAAC CATTATGTAT TTTCTCTACC ATGAAAAATA TAAGGTGGTT 540  
 GAACTCTTTT TCTATCTCAC AATGGGATTC TCTCCAGCCT TGGTGGTGAC ATCAATGAAC 600  
 AACACCGATG GACTTCAGGA ACTTGCCCTGT GGGGGCTTAA TTTATTGCTT GGGAGTTGTG 660  
 TTCTTCAAGA GTGATGGCAT CATTCCATT TCCACGCCA TCTGGCACCT GTTTGTGGCC 720  
 ACGGCAGCTG CAGTGCATTA CTACGCCATT TGAAAATACC TTTACCGAAG TCCTACGGAC 780  
 TTTATGCGGG ATTTATGACC AATCTGTACT AATTCTCCAA ACCAGTATTA TTTCAATTAT 840  
 GGCACCTGGG AGTGGGGTGA GAGCTAAACA TTGCACAGGG CAAAGAAAAA AAATAACTGC 900  
 ACTGACTTTA TATCTTTTGA ATATAATTAC TGTGAAAGTA TAAAGGCTGT GTTCTGGAAT 960  
 TTTCTGCCTC ACAGCAAATA AATAAGGTAG TGAATTAATT ATTCATTCCA TTCCACTATC1020  
 ATGAAGGACT CTGAATAGAC TTGGCCAACT GATGTTTACA AACCAGACTT TTATATTTTA1080  
 ATTTTACAGA TTTTACTACA TGATTTTCT AAATTACTAT GTCAGGTTGT AAAAGTCAGT1140  
 GCAATAACAA ACCTTCCTTT TTAAGAAGAA AATTGTTTCT ATTACTTTCC CATTCACTAG1200  
 GTAAAGAATC ATGGACAGAA CTTACACTAC TTTTACCAT GTTTCATCTT GGCATAACAT1260  
 GGTCTTTTTT TAAATAGAAA CTTTAGTTTT TTGTAAATTT TTAATAAAT ATTTTATTGA1320  
 TATGCATCTC TGCAGGTCCT CATTCTATGT GTAAATTTTT GGAGCAAGCA GTCAACATT1380  
 CACAAACGAA CAAACATTAT ACCTCTCTCT ATAGTTTTAT TAAGCATGGA GAAATTGCCA1440  
 ATTTTAAAAA ACTGCAGTTT TCCAAACTTT TCTGCCAACC TCTTACTCTG AATTTCAGTGC1500  
 TGCTTTGGGA CATATACTTG ACCTAGCTTG GTTTACCAGT GATGGAAAAG TATTTTGATA1560  
 TCATTAACCT TTTCAAAAAG TCCAACTTTT TCTCTATGCC TTTGCCACAT TCTCTTCAGG1620  
 GTCTCTTTCC ACAGCGGATA AATGTTTTTT CTGTATTATG ACAGTATTGT TGTGATGGCC1680  
 ATCTGCTGGA AACTCCTGAA GAGCATTATG TATTACAGTG AGCAGTTGTA TTGCCTGTTT1740  
 GGTGCCCAAT GGTAAAGTCA TTGTCACTTA GCTTTATATT GTCAGTTTGA TATTTATTTT1800  
 AAATGTGGGA ACTAGATGCA TAAATTCACA TTTCTGCCTT TCCTTTGCAT CTCTCATAT1860  
 ATGTGTTTTT TTTTTTTTTT CCTAGAAAAA ATATTTAAAG CATTGTTTGA CAGGTAGAAA1920  
 CTCATGTATC TGTAATCCAT GAGTTATATC CTGGCTCAGT GGAGTGATAT TTATGTATTA1980  
 TTTTTACTTT TCTCTCAGTG TCTTATATTA AGATTAACAT GTTGTTAATA GTTGCTTTGT2040  
 TGATTAATCT CTCTGTGTTG TGTTTAATA AATGAAATAG GCTTGCCTTT AGATCGGGTG2100  
 CTGATATTGC CTGTTTCCTA GTAATGGGCT GATCAAATGA TCAGTGGAAT TCTTGGTTTG2160  
 ATGATAACCT TATTAATTGA AATTTTTTAC TTATATGGGA GTGAGAAACA GAAGAAGTGG2280  
 TATTTGCTGG CGAGTTAAAT AGGCAAGGTA CCCAGTGATA ACACCAACCA AACCCTCCT2340  
 ATCTGCATGA TTCTGAACAT CTGGATGCCT GTTGTTTTAC TGTGTATATT TTATTTTTAA2400  
 TATATTAACCT TTGTGGATTC ATTTAAGGTC TACTCAAAAAG TAACACTGTC CAAACCACTA2460  
 ATATGTATGT AAAAATTGTG CTGTATACTA CAATAAAGTT GTTACTTGGA TTTGTTCCAA2520  
 AAAAAAAAAA AAA 2533

Name: 246 Len: 6072 Check: 1F2E  
 GGTGGTCCGC GGGGAGGCCC CCGCGCTTTA AAATAATGCC CGCGGCGCCC GCGCGACCAT 60  
 GCAATGGCGA GCGCTCGTCC TGGGGCTGGT GCTCCTCCGG CTGGCCTCC ATGGAGTATT 120  
 GTGGCTCGTC TTCGGGCTGG GGGCCAGCAT GGGCTTCTAC CAGCGCTTTC CGCTCAGCTT 180  
 CGGCTTCCAG CGTCTGAGGA GCGCCGACGG CCGCGCTCG CCCACCTCGG GGCCCGTGGG 240



141

AGGTGAGTTC TTCCTGCCTG TGATTTCTCT TGGCGCTCCC CTCCTCTCCC GCTCTGGCTT4080  
 CTGTGGCGGG AGTGGTGGGT AAGCACTCCA GTGTTCTCTT AATGAGGCAC TTTGCTGTCT4140  
 ACTCGAGCAA GCCTGGGTGT TCCTTCCTCC TCATGCTCCT GGAATAGGGA ATAGGGATCT4200  
 CATGCTTGCA AACTACACAA TGCTGCAGGT GCTTCCCAGG GGCCACAGGC TGTCAGGAAA4260  
 CCGTTTTTAT GTTAAGTCAC AAACCCACTT GACTTCTGGG TACTGGAATT AATACCACTG4320  
 GGTGAGACTG AGGGTGAGTG AGTTAGTACA TATTAATCCT GGTGTTGAG CTTCAGACT4380  
 ACCCCGTCCA AAGTTTGATG CTATGTAGTC AGTGGTTTGT GGGGCTGGAT GCCAGAAGGT4440  
 TCTTTGAGCC AGTTTCAAAG GTTACTTGTT TTTTTTTTTT TTTTTTTAAG TCAGAATGTT4500  
 AACAGCTGTG ATATATCCTG CAGGGCTTTT GCAGTTTCTT CTGTTCTGTG TTCTGAAATC4560  
 CTGGGTAGAG AATGGCTGAG GAGGAGATTA CCAGAGAAGT TGCTTTGCTC AGTGCTTTGC4620  
 CCCAGGATTG CCTCAAATCT GAGTGGACTT CATCCTTTGC GGCGGCTCTG AGCCTGGCCC4680  
 ATCTTCCTAT TCCCACGTGT AGCTAGTGTC TAGTGTACGC TTTGCTCAAT GTGGTGGAAA4740  
 CATTTTGCAG AACTGTTGTA GAAAGCTGCC TTATAGTTGG CTTGACAAAG CATAATTCTC4800  
 TCATAACAAA CTTTCAAATC ATTACAGTAG CTTAGCTACT TTAGTTGATG TGACCGAGGA4860  
 ATCCCTTCTA GAATCATAGG TGGCAAGGGA GGGTTTGCTA GCTCTCCATT TGCCTGGCC4920  
 ATTGTGAAAA ACCAGCTTCT GTATTCAAAT CTTTCTTTCA TTTTTTTAAA TTTTTTTTTT4980  
 GGCAGCGCTT GTGCTGGAAC TTAATCATTT TAATGAATC CTCAGGGCTT TTCTGTTTTT5040  
 AGATCATGGA CTGIGCACGT GACACTTAAA TAATTTTCTA TGTATTTAAA GAAAAATGCA5100  
 CCAGGATGGT GTCTGTGCAC GTGACTATTA GAGGAGCGTC TGTAGAAGTA CCTGGTTTGG5160  
 TCAGTGCAGT TGTGCAATCT GAGGGCCTTG TTTCTCTCTC CCCTTTCCCC TTCTCCCCAC5220  
 CAAAGGAAAA TATCCCTCTT AATGATTTCG TAGTTCAGTT TACTGAATGA TTACCACCTG5280  
 TAATTCCTCT TTGGATTGTG TAGACTCAAC ATGAGACATT CCTTCTGCTT TTCTGGAGGG5340  
 CACCAGGGGC CTTTCTCTTT GATAAATTTT TTTGTCTGT TGACAAAAAC AAAAACTTT5400  
 TTTCAAATGT AGTGTGGTG AAAAGGTAGG GCTGAGTGAT TACCTTAGCC ACAGGGTGGC5460  
 TGAGCAGGAA CTTTAGAAGA AAATCCTGAG CTTTCTGTG CATTCCCAGC ATCCAGCTCC5520  
 TATTTCTAGT COTCTTCCCT GCAGGGCAGG GACCCCTTGG GAAATCGAGG AGGTGGGACG5580  
 GGCTGGGCCC TGCTGCCCAG GTTTCACAGG GCTCAGGGTT ATGCTCCCGC TTGAATCTGG5640  
 ACGTGAATCT GGTAAAAATA TCAAGTACCT GTGGAACCTC CTGATTCTAT ACCCTCTTCC5700  
 TTCTTTCTGC AAGGCAGAGG AATAATATTT TTAAGGTTA TTTTGTTTTA GTTTTAAATA5760  
 GCAAAACACA AGCTGCATTT TTAATTTATTT TGCATAAGAA AGGTAAATCT TTTTACAAA5820  
 AAAAGTATAG AGTTGGAAAC TCTGGGAAAA CTTACGGAAA TACACAAATG CTTCTCTGTA5880  
 ATGTGCAATA TGCTTTGCAA CTGTAGATGA TATTTTATGT TTAATCTGTA AATAAGAAAT5940  
 GTATTTAAAT TAAAAGGAT CTTTTTGTA AAGGACCAA TGTTCTTTTA TAAATGTAAT6000  
 AAGGAATATC TTGCTCTTTA AAATTTATTA GGATTTTAT GAGTAATTT TATTAAPAGA6060  
 TTTCTTTTTT TG 6072

Name: 247 Len: 5615 Check: 2627  
 GAAACTGCGG GTGTGACCCC CCCGTGGTGG CTCTGGGTGT CTGCGGAGGA GCTGGGGGCG 60  
 GAAGATGAGG CTAACGGCTT GGCTTCAGTG AACGCACCGG GATGTGCAGG CCGGGAGGTA 120  
 GAGGCAGGCT GATGGGGGAG GGAACGAGCA GCCTGTGAGA CCGGGTGACG GCGGCTACCA 180  
 GCGCGGGGCG GCACCGGGAC TGAAGAGTT GCCTGAGCAG CCGGCTGGTC CGGCGGCCAG 240  
 GCTAGGGGCG GGGCGAGCGC CCAGTTGAGC CTGCTGGGGC TGGAGGAGCG AGAAGGGTTT 300  
 TCTTCACATT TCAGAGCGAA CCAGACGGGG ACAGTAAGGT TTGGAGGAAG GGGGATCGTT 360  
 GGAAGTAGCA AGAAGTGGAG AGAATCTGGC AATAGACGAG AAACCGAAAG AATCAGAAAG 420  
 AAGTCTATGT GAGTAGCTGA AAGCATTGGG TGACCAGAAA GAAGTCTGGT GTAAGTGAAG 480  
 GAAGAGTGAG GTGTGGCTGG ATCAAAGGGC TAAGAGAAGC GGGTCTGTGT AAGTGGATGT 540  
 GAGTAGGAT CAAGGAAAAAG CCGTGGAGT GGCCGGGGGT CCGGGGCCGA GAAGTGCCAG 600  
 ACGGGGCGCG AAAGCAGCCG AGCGGAGTTC AAATTTGAGA GCGTTTGGAA ATTGGAAGAC 660  
 TTGGTGGCGA ACGAGGGTCA GGACCTGCAT CCTGCCTCAG AGAGTTATCG ACGTATCCGG 720  
 AATGTGGGAT CAGAGGCTGG TGAGGTTGGC CCTGTTGCAG CATCTGCGGG CTTCTATGG 780  
 TATTAAGGTG AAGGGTGTCC GTGGGCAGTG CGATCGCAGG AGACATGAAA CAGCAGCCAC 840  
 GGAAATAGGG GGTAAATAT TTGGAGTACC TTTAATGCA CTGCCCCATT CTGCTGTACC 900  
 AGAATATGGA CACATTCCAA GCTTTCTTGT CGATGCTTGC ACATCTTTAG AAGACCATAT 960  
 TCATACCGAA GGGCTTTTTT GGAATCAGG ATCTGTGATT CGCCTAAAAG CACTAAAGAA1020  
 TAAAGTGGAT CATGGTGAAG GTTGCCTATC TTCTGCACTT CCTTGTGATA TTGCGGGACT1080  
 TCTTAAGCAG TTTTTTAGGG AACTGCCAGA GCGCATTTCT CCAGCTGATT TGCATGAAGC1140  
 ACTTTTGAAG GCTCAACAGT TAGGCACAGA GGAAAGAAAT AAAGCTACAC TGTTGCTCTC1200  
 CTGTCTTCTG GCTGACCACA CAGTTTATGT ATTAAGATAC TTCTTTAACT TTCTCAGGAA1260  
 TGTTTCTCTT AGATCCAGTG AGAATAAGAT GGACAGCAGC AATCTTGCAG TAATATTTGC1320  
 ACCGAATCTT CTTGAGACAA GTGAAGGACA TGAAAAGATG TCTTCTAACA CAGAAAAGAA1380  
 GCTACGATTA CAGGCTGCAG TAGTACAGAC TCTTATCGAT TATGCATCAG ATATTGGGCG1440  
 TGTACAGAT TTTATCCTGG AAAAGATACC AGCCATGTTG GGTATTGATG GTCTCTGTGC1500  
 TACTCCATCA CTGGAAGGCT TTGAAGAAGG TGAATATGAA ACTCCTGGTG AATATAAGAG1560  
 AAAGGAAGA CAAAGTGTAG GAGATTTTGT TAGTGGAGCA CTAAATAAAT TTAACCTAA1620

142

CAGAACACCT TCTATTACAC CTCAAGAAGA AAGAATTGCC CAGCTATCTG AATCACCAGT1680  
GATTCTTACA CCAAATGCTA AGCGTACATT GCCAGTAGAT TCTTCTCATG GTTCTCTCAAG1740  
TAAGAAAAGG AAGTCCATCA AGCACAATTT TAACTTTGAG CTGTTGCCAA GTAATCTCTT1800  
CAATAGCAGT TCTACACCGG TATCAGTTCA CATCGATACA AGCTCAGAAG GGTCTCTCA1860  
GAGTTCACTC TCTCCTGTAC TCATTGGTGG AAACCATTTG ATCACTGCAG GTGTGCCAAG1920  
GCGAAGTAAA AGAATTGCAG GCAAAAAAGT TTGCAGAGTG GAATCAGGAA AAGCAGGCTG1980  
CTTTTCTCCT AAAATCAGCC ATAAAGAAAA GGTTCGAAGA TCTCTGCGTT TGAAATTCAA2040  
TCTAGGGAAA AATGGCAGAG AAGTAAATGG ATGTTCTGGT GTCAATAGAT ATGAAAGTGT2100  
TGGTTGGCGA CTTGCAAAATC AACAAAGTTT AAAAAATCGA ATTGAATCTG TAAAAACAGG2160  
TTTGCTTTTT AGCCCAGATG TTGATGAAAA GTTACCAAAG AAAGGTTTCA AAAAGATCAG2220  
TAAGTCTGAG GAAACCTTAC TAACTCCAGA GCGACTAGTT GGAACAAATT ACCGGATGTC2280  
TTGGACAGGA CCTAATAATT CAAGTTTTCA AGAAGTAGAT GCAATGAAG CTCTTCAAT2340  
GGTGGAAAAA CTTGAGGTAG AAAACTCTTT GGAGCCTGAT ATTATGGTAG AAAAGTCACC2400  
TGCTACTTCA TGTGAATCA CCCCTTCCAA TTTAAACAAT AAGCATAATA GCAACATAAC2460  
AAGTAGCCCT CTTAGCGGGG ATGAAAAATA CATGACCAAA GAGACTTTGG TGAAAGTTCA2520  
AAAAGCGTTT TCTGAATCTG GAAGTAATCT TCACGCATTG ATGAATCAGA GGCAGTCATC2580  
AGTAACTAAT GTGGGGAAAAG TAAATTAAC TGAACCATCT TATTTAGAAG ATAGCCCAGA2640  
GGAAAATCTA TTTGAAACTA ATGATTGAC TATAGTAGAA TCAAAGGAGA AATATGAACA2700  
CCACACTGGT AAAGGTGAAA AATGTTTTTC ATAGAGGGAC TTTTCACCCC TTCAAACCTCA2760  
AACATTTAAT AGAGAAACAA CTATAAATG TTATTCAACT CAGATGAAGA TGGAACATGA2820  
AAAAGACATT CATTCAAATA TGCCAAAAGA TTATTTAAGC AAGCAAGAAT TCTCCAGTGA2880  
TGAAGAAATA AAGAAACAGC AGTCCCCAAA GGATAAACTA AATAATAAAT TAAAAGAGAA2940  
TGAGAATATG ATGGAAGGTA ACTTACCGAA GTGTGCAGCA CATAGCAAGG ACGAGGCTAG3000  
ATCCTCTTTC TCACAGCAGA GTACATGTGT TGTAACAAAC TTGTCAAAC CTAGGCCTAT3060  
GAGAATTGCT AAACAGCAGT CATTGGAAAC ATGTGAGAAA ACAGTTTCTG AAAGTTTACA3120  
AATGACAGAA CATAGAAAGG TTTCTGATCA CATACAGTGG TTTAACAAGC TTTCTTTAAA3180  
TGAACCAAAT AGAATAAAG TCAAGTCACC TCCTAAGTTT CAGCGTACTC CTGTTCGTCA3240  
GTCCGTCAGA AGAATTAATT CTTTGTGGA GTATAGCAGA CAACCTACAG GGCATAAGTT3300  
GGCAGTCTT GGTGATACAG CTCTCCTTT GGTCAAATCA GTGAGCTGTG ACGGTGCTCT3360  
TTCCTCTTGT ATAGAAAGTG CATCAAAAGA TTCCTCTGTT TCATGTATCA AATCAGGTCC3420  
TAAAGAACAG AAGTCCATGT CATGTGAAGA GTCAAATATT GGTGCAATTT CAAAGTCAAG3480  
CATGGAGTTA CCCTCGAAAT CTTTCTTAAA GATGAGGAAG CACCCAGATT CAGTGAATGC3540  
TTCTCTTAGG TCTACTACAG TTTATAAACA GAAGATCTTA TCTGATGECG AAGTTAAGGT3600  
TCCCTTGGAT GATCTGACTA ATCATGATAT AGTAAAACCA GTTGTAATA ACAACATGGG3660  
CATTCTTCT GGGATAAATA ACAGGTCCT TAGGAGACCA TCAGAAAGAG GAAGGGCCTG3720  
GTACAAAGGT TCTCCAAAC ATCCTATCGG AAAAACTCAA TTAACCTACCA CAAGTAAACC3780  
TGTAGATTG TAATTGGTAA ATGTTTACT TGTCATTAAT GTAAATAAAG TGAGTAATTG3840  
GTATGACTTG CAGGATGATG TACATGTTAG TTTGTAGCTC AGGATGATTG TTAAGCAATA3900  
GATTGTCTCT ATTGAAAATG TTTTCTTAA TTTACTGTAC AAGCACTTA GATTTTTATT3960  
TGTACAAAT ACTTCTTGT TTTTCTTAA GATGGCAATT TTTAACTTT AATTTTATTG4020  
TGATCTCTTA AAGCAGAGGT TAGACTTTAC CTTTCTGACT CTGTCTGTTA GGTGAGTG4080  
CAGTGGCGCA ATCTCACTGC AAGCTCCACT TCCTGGGTTT ATGCCATTTT CCTGCCTCAG4140  
CCTCCCGAGT AGCTGGGACT ACAGGTGCCC GCCACCACGC CCAGCTAATT TTTTGTATTT4200  
TTAGTAGAGA CGGTTTCACC GTGTAGCCA GGATGGTCTC GATCTCCTGA CCTGTGATC4260  
CGCCCGCCTC AGCCTCCCAA AGTCTGGGA TTACAGGCAT GAGCCACCAC GCCCGCTAG4320  
ACTTTACCTT TCTAAAGAAA TTGTTTACTG GATTTATAAG AAGTTAATTT TTGAAATGA4380  
CATATTTTTG TGTGATAGAA AGAATGGAGC AAGTTGTGCC TATTTCTCTC AAGTCAGATA4440  
AGGTTTCTAA AATAAATAA TTTCTAGCAT ATAAAGGGTA GAGATAAACT CTGCAAATCT4500  
TATGTCTGGA ATTATATTAA TGTTTATTGT CCTTGCCAAA ATTCTTAGAA ATTAATTTCC4560  
TTCAATAGCA TCCTAAACT CTATTTTTAT TTGGGGCAGA GTAATTTTCA TTATAGTGCC4620  
AGTAGGTGTA CCTTGTGTTT ACTCGAATA AGAACAATGG TTAAGGCAGA ATAATGACTA4680  
AAATATGTTT ATATATTATG ATGTGGAAAT AATTGATAAC TTTTAAGCCA TACTATGTTT4740  
TTAAAGATAA TTTGCACAAA CACGTTTGTG TCTGTTCTGT CCAATATAGA TTTGGCAATT4800  
ATTTAAAGAG GGATAATCTT GAAAAAATT AACCAAGGTG ATTTCTTATA TGTAGATGCT4860  
CGATTTTGGG ATTTGAAATA GTAGATGCAC CTCTTTACCT TTTTACTTG GATAAAAACC4920  
TATGATGATT TTGCTCTGTG TGTAATGTT ATTTATTTAG CATAGACATT AAAGATAACT4980  
CTCTGGAAAA TGACTTGACT AAGGCTCTCA TGAAATTCAA AGTGCCATTT AGAACATGCT5100  
CCAAATGTG AAGTAAATCT GTCTAAATTT ATATTTTAAA TTATTACAAA TTACACATCT5160  
TTGAGGAAAG AGTATTATGA ACAATAGAAC ATATTCTCTA TTTGTTAGAG GAAGGAATAA5160  
GCAGACAGAA TCAACCACTA AAGGTAGTTT TTCAGATTGG TTGTTAGAAT GTCATGTTTA5220  
GATGTTGGAG CAGATTAGAG CAGCATTCAT GCCACTCGGA GCAACCAGAC TTACAGCATA5280  
AGTATGTACG AGGAATTTCA AATCATCAGA TGTTTGCTTG GCTAGGTTCT ACTTTGTTTA5340  
TTTGATATCA AATAGGTTTG TAGATGTTTA TGGCATTTCT AATTGTAAGT AGAGACAAAA5400

143

TATTCATATA GTCAGATATA TGTTGTCTGC TTTAAACAAT TTTTAAATTT TAAAAATGCA5450  
 TTAACGTCTT TTTATATCCA TCAAGGGAAG GATGAAATGT TGAATTTGAA GACTAATTCA5520  
 GTAAGAAGTC CTAGGGGTTT AACTGTACAT ACTACCTGAA CTGGCTTTTC TGAGAGATGA5580  
 ATCAATAATG AAACATGTCT GTTTTAAAAA CTACC 5615

Name: 248 Len: 5298 Check: F37

GGCGCCCCGAC	CCCAGCCACC	GCCCTGCGGC	CAGCGCGTCC	CCCGACTCGC	CGCCCCGAGA	60
CCCCGAGGCT	CCAACGAGTT	CAGAAATGTC	CAGAAATGAC	AAAGAACCCT	TTTTTGTGAA	120
GTITTTTAAAG	TCTTCAGACA	ATTCCAAATG	TTTTTTTAAA	GCTCTCGAGT	CCATAAAAAG	180
ATTCCAATCA	GAAGAATATC	TTCAGATTAT	TACAGAAGAA	GAGGCATTGA	AGATAAAGGA	240
GAATGATAGA	TCACCTTTATA	TCTGTGACCC	TTTTAGTGGC	GTTGTCTTTG	ATCACCTCAA	300
AAAGCTTGGC	TGCAGAAATTG	TTGGTCCTCA	AGTAGTCATA	TTTTGTATGC	ACCACCAGCG	360
ATGTGTCCCA	AGAGCCGAAC	ATCCAGTTTA	TAATATGGTT	ATGTCTGATG	TAACCATATC	420
TTGTACAAGT	CTGGAAAAAG	AAAAAAGGGA	AGAAGTTCAT	AAATATGTAC	AAATGATGGG	480
CGGACGAGTA	TACAGAGACC	TAAATGTATC	AGTAACTCAC	CTTATTGCAG	GAGAAGTTGG	540
TAGCAAAAAA	TATTTAGTTG	CTGCAAACCT	GAAGAAACCT	ATTTTGCTTC	CCTCTTGGAT	600
AAAAACACTT	TGGGAGAAGT	CACAAGAGAA	AAAAATAACT	AGATATACTG	ATATAAACAT	660
GGAAGATTTT	AAGTGTCTTA	TTTTTCTTGG	TTGCATAATC	TGTGTGACTG	GCTTATGTGG	720
CTTAGACAGG	AAAGAAGTTC	AGCAACTCAC	AGTTAAGCAT	GGAGGTCAAT	ACATGGGACA	780
ATTGAAAAATG	AATGAATGTA	CACACCTCAT	TGTGTCAAGAA	CCAAAAGGTC	AGAAGTATGA	840
GTGTGCCAAG	AGATGGAATG	TACACTGTGT	GACCACACAG	TGGTTTTTTG	ACAGTATTGA	900
GAAAGTTTT	TGTCAGGATG	AATCCATATA	CAAGACAGAA	CCTAGACCAG	AAGCAAAGAC	960
TATGCCCAAT	TCTTCAACTC	CTACCAGCCA	GATCAACACA	ATTGATAGTC	GTACTCTTTC	1020
AGATGTCAGC	AATATTTCCT	ACATAAATGC	AAGTTGCGTA	AGTGAATCAA	TATGTAATTC	1080
ACTTAACAGC	AACTGGAGC	CTACACTTGA	AAATCTAGAA	AATCTGGATG	TCAGTGCATTT	1140
TCAAGCACCT	GAAGATTTAT	TAGATGGTTG	TCGGATATAT	CTTTGCGGTT	TTAGTGGCAG	1200
AAAGCTAGAT	AAACTGAGAA	GACTTATTAA	CAGTGGAGGT	GGAGTTCGTT	TTAACCAGCT	1260
AAATGAAGAT	GTAACCTATG	TTATTGTGGG	AGATTATGAT	GATGAATTGA	AGCAGTTTTG	1320
GAATAAATCA	GCCCCACAGG	CTCATGTAGT	GGGAGCAAAG	TGGTTGCTAG	AGTGTTCAG	1380
TAAAGGTTAT	ATGCTTTCTG	AAGAACCATA	TATCCATGCT	AATTACCAGC	CAGTGGAAAT	1440
TCCAGTTTCA	CATCAGCCTG	AAAGTAAAGC	AGCTCTTTTA	AAAAAGAAGA	ACAGCAGCTT	1500
CTCTAAGAAA	GACTTTGCTC	CTAGTGAAAA	GCATGAGCAA	GCTGATGAAG	ATCTGCTCTC	1560
TCAATATGAA	AATGGTAGCT	CCACAGTAGT	TGAGGCTAAG	ACGTCTGAAG	CCAGGCCCTT	1620
TAATGATTCT	ACTCATGCTG	AGCCCTTGAA	TGATTCTACT	CACATTTCTT	TGCAAGAAGA	1680
AAACCAGTCT	TCTGTGAGTC	ATTGTGTCCC	TGATGTTTCT	ACAATTACTG	AAGAAGGCTT	1740
ATTTAGCCAA	AAGAGTTTCC	TTGTTTTGGG	TTTTAGTAAT	GAAAATGAAT	CTAACATCGC	1800
AAACATCATA	AAAGAAAATG	CTGGGAAAAT	CATGTCCCTT	CTGAGCAGAA	CTGTTGCCGA	1860
TTATGCTGTG	GTTCTCTGTC	TGGGGTGTGA	AGTGGGAAGC	ACTGTGGGAG	AAGTTGTTAC	1920
AAATACATGG	CTGGTTACTT	GCATAGACTA	TCAGACTTTG	TTTGATCCAA	AGTCGAATCC	1980
TCTCTTCACA	CCAGTTCCAG	TAATGACAGG	AATGACTCCT	TTAGAGGATT	GTGTTATTTT	2040
ATTTAGCCAG	TGTGCTGGAG	CAGAAAAAGA	GTCTTTAACA	TTCTAGCAA	ACCTCCTTGG	2100
AGCAAGTGTT	CAAGAATACT	TTGTTTCGCA	ATCCAATGCA	AAGAAAGGCA	TGTTTGCCAG	2160
TACTCATCTT	ATACTGAAAG	AACGTGGTGG	CTCTAAATAT	GAAGCTGCAA	AGAAGTGGAA	2220
TTTACCTGCC	GTTACTATAG	CTTGGCTGTT	GGAGACTGCT	AGAACGGGAA	AGAGAGCAGA	2280
CGAAAGCCAT	TTTCTGATTG	AAAATTCAAC	TAAAGAAGAA	CGAAGTTTGG	AAACAGAAAT	2340
AACAAATGGA	ATCAATCTAA	ATTGAGATAC	TGCAGAGCAT	CCTGGCACAC	GCCTGCAAAC	2400
TCACAGAAAA	ACCGTCGTTA	CACCTTTAGA	TATGAACCGC	TTTCAGAGTA	AAGCTTTCCG	2460
TGCTGTGGTC	TCACAACATG	CCAGACAGGT	CGCAGCCTCC	CCAGCAGTAG	GACAACCACT	2520
TCAGAAGGAG	CCCTCGTTAC	ACCTGGATAC	ACCATCAAAA	TTCTGTCCA	AGGACAAACT	2580
CTTCAAGCCT	TCCTTTGATG	TGAAGGATGC	ACTTGCAGCC	TTGGAAACTC	CAGGACGTCC	2640
CAGCCAACAG	AAAAGGAAAC	CGAGTACGCC	ACTCTCAGAA	GTTATTGTCA	AAAACCTTGC	2700
ACTTGCTTTG	GCAAAATAGCT	CTCGAAATGC	TGTCGCTCTT	TCTGCCAGCC	CTCAACTGAA	2760
AGAGGCCCCAG	TCAGAGAAGG	AAGAAGCCCC	AAAGCCACTT	CACAAAGTAG	TGGTATGTGT	2820
TAGTAAAAAA	CTCAGTAAGA	AGCAGAGTGA	ACTAAATGGG	ATCGCAGCCT	CTCTAGGAGC	2880
AGATTACAGG	TGGAGTTTTG	ATGAAACAGT	GACTCATTTT	ATCTATCAAG	GGCGGCCAAA	2940
TGACACTAAT	CGGGAGTATA	AATCTGTAAA	AGAAAGAGGA	GTACACATTG	TTTCCGAGCA	3000
CTGGCTTTTA	GATTGTGCCC	AAGAGTGTAA	ACATCTTCTT	GAATCTCTTT	ATCCACATAC	3060
TTATAATCCC	AAAAATGAGCT	TGGATATCAG	CGCAGTGCAA	GATGGCCGGC	TCTGTAATAG	3120
TCGACTACTC	TCAGCTGTGT	CTTCAACAAA	GGATGATGAG	CCAGATCCTT	TGATTTTATA	3180
AGAAAATGAT	GTAGACAATA	TGGCCACCAA	TAATAAAGAG	TCAGCACCAT	CAAATGGAAG	3240
TGGAAAGAAT	GACTCTAAAG	GAGTTCTGAC	ACAGACCTTA	GAGATGAGAG	AGAACTTTCA	3300
GAAGCAGTTA	CAGGAGATAA	TGCTGCAAC	ATCAATAGTG	AAACCCCAAG	GGCAGAGGAC	3360
TTCCCTTTCA	AGAAGTGGTT	GTAACAGCGC	ATCTTCAACC	CCTGACAGCA	CTCGCTCTGC	3420
TCGCAGTGGA	CGAAGTAGAG	TCCTAGAGGC	ACTGAGGCAG	TCTCGTCAGA	CAGTACCTGA	3480



144

TGTCACACACA GAGCCTTCCC AAAATGAACA GATCATTG GATGACCTA CAGCAAGGGA3540  
 GGAGAGAGCA AGGCTTGCCA GCAATTTGCA GTGGCCTAGT TGTCCCACAC AATACTCTGA3600  
 GCTTCAGGTT GACATTCAAA ACTTGGAGGA TTCTCCTTTT CAAAAGCCTT TACATGATTC3660  
 AGAAATTGCT AAACAGGCTG TCTGTGATCC TGGAAACATA CGTGTGACTG AAGCTCCCAA3720  
 ACACCCAATC TCTGAAGAAC TGGAAACTCC CATAAAAGAC AGCCACCTGA TCCCTACGCC3780  
 TCAAGCCCCC AGTATTGCCT TTCCACTCGC CAACCCCCCT GTGGCTCCGC ACCCTAGAGA3840  
 AAAGATTATA ACGATAGAGG AGACTCATGA AGAATTAATAA AAACAGTACA TATTTCAGTT3900  
 ATCATCTCTG AATCCTCAAG AACGTATTGA CTATTGTCAT CTGATTGAGA AACTAGGTGG3960  
 ATTGGTGATA GAAAAGCAGT GCTTTGATCC CACCTGTACA CACATTGTTG TGGGACATCC4020  
 ACTTCGAAAC GAGAAGTATT TAGCCTCAGT GGCAGCTGGG AAGTGGGTGC TTCATCGCTC4080  
 CTACCTTGAA GCCTGCAGGA CTGCTGGACA CTTCGTGCAG GAAGAAGACT ATGAATGGGG4140  
 AAGTAGTTCC ATACTTGATG TTTTGACTGG AATCAATGTA CAGCAACGAA GACTAGCACT4200  
 TGCAGCAATG AGATGGAGAA AAAAAATCCA GCAAAGACAA GAATCTGGCA TTGTTGAGGG4260  
 AGCATTTAGT GGGTGGGAAGG TTATTTTACA TGTGGATCAG TCTCGAGAAG CAGGCTTCAA4320  
 ACGCCTTCTT CAGTCAGGAG GAGCAAAGGT GCTACCTGGT CATTCTGTAC CTTTATTTAA4380  
 AGAGGCCACA CATCTTTTTT CTGACTTGAA TAAACTGAAA CCAGATGACT CAGGAGTTAA4440  
 TATAGCAGAA GCTGCTGCCC AGAACGTGTA CTGCTTGAGA ACAGAATACA TTGCTGATTA4500  
 TCTCATGCAG GAATCACCTC CTCATGTAGA AAATTACTGT CTACCAGAAG CTATTTTATT4560  
 TATTTCAGAA AATAAGGAAC TTGGGACTGG ATTATCACAA AAGAGGAAAG CTCCTACAGA4620  
 AAAAAATAAA ATCAACGAC CTAGAGTACA CTAATCGCAT CTACCCTTTA GTTACCAAAC4680  
 ATTAATGTT TTTAAAAAT GAAAGCCTGA ATGTGACTGT GATAGATTG GGTAGTAAAT4740  
 TAAAGATGAG TACCTGAAGA ATTCTGCTTC AGAGTATAAT GATGACCTT CTTGAGTTT4800  
 GAACACCTGA AATTGTAATC ACTGAAATAT TAACTGTTT TTAATAAAAA GTTACCTGAA4860  
 ATAACAACAA AATACAACTC CTCAGCTAGC TTGCTGTAA ACCACATTGA AGTCTGTTAA4920  
 AAGATATTTA TTTTCTTGT AAATATCTGA AGCTGTAGCT TAGTGGAAAT TTTAGCAAGG4980  
 TAATGGATTT TGCTTTAAAA TGTCTGCCTT ACPAATTCAT AACAACAAGA TTTGTGAGTC5040  
 AGCATTATTT CATGTTTTCC CTGATTTTTA TCTTCTCACC ATTTTACCTC TTTTACAGG5100  
 AGCCTGAGCA CAAGGTTTAA TGAGGAAGCT GGGGCTATAA ATATGTGTGT ATATATGTAT5160  
 ATGTATGTT GTACAAATCT CCATGATGTT TGCCAAGTTT GAATGCGCAA AACTTGGAAA5220  
 ATGTGACAA AAAGAATAAA AGTAGTAAT CAAATTAGTA TTAAGATGTG TTTACATAGA5280  
 TAAATTTTTT AAAAGAGC 5298

Name: 249 Len: 1584 Check: 12A6  
 GCGCCTCGGC CTAGCATGTC GGAAGCGGGC GAGGAGCAGC CCATGGAGAC GACGGGCGCC 60  
 ACCGAGAACG GACATGAGGC CGTCCCCGAA GCGAGTCGCG GCCGGGGCTG GACGGGCGCC 120  
 GCGGCGGGGC TGGAGGCGCG ACCGCCGCGC CCCCAGAGCG GAATCAGAAC GGCGCCGAGG 180  
 GACCAGATCA ACGCCAGCAA GAACGAGGAG GACGCGGGAA AAATGTTCTG TGGTGGCCTG 240  
 AGCTGGGATA CTAGCAAAAA AGATTTAAAA GACTATTTA CTAAATTTGG AGAGGTCGTT 300  
 GACTGTACAA TAAAAATGGA TCCCAACACT GGACGGTCAA GAGGGTTTGG GTTTATCCTG 360  
 TTCAAAGATG CAGCCAGTGT GGAGAAGGTC CTAGACCAGA AGGAGCACAG GCTGGATGGC 420  
 CGTGTCAATTG ACCCTAAAAA GGCCATGGCT ATGAAGAAGG ACCCGGTCAA GAAAATCTTC 480  
 GTTGGGGGTC TGAATCCTGA AAGTCCCACT GAGGAAAAGA TCAGGGAGTA CTTTGGCGAG 540  
 TTTGGGGAGA TTGAGGCCAT TGAATTGCCA ATGGATCCAA AGTTGAACAA AAGACGAGT 600  
 TTTGTGTTTA TCACCTTTAA AGAAGAAGAA CCGGTGAAGA AGGTTCTGGA GAAAAAGTTC 660  
 CATACTGTCA GTGGAAGCAA GTGTGAGATC AAGGTGGCCC AGCCCAAAGA AGTCTATCAG 720  
 CAGCAGCAGT ATGGCTCTGG GGGCCGTGGA AACCGCAACC GAGGGAACCG AGGCAGCGGA 780  
 GGTGGTGGTG GAGGTGGAGG TCAGAGTCAG AGTTGGAATC AGGGCTACGG CAACTACTGG 840  
 AACCAGGGCT ACGGCTACCA GCAGGGCTAC GGGCCTGGCT ATGGCGGCTA CCACTACTCG 900  
 CCCTATGGCT ATTACGGCTA CGGCCCGGGC TACGACTACA GTCAGGGTAG TACAACTAC 960  
 GCGAAGAGCC AGCGACGTGG TGGCCATCAG AATAACTACA AGCCATACTG AGGCGGCCAA1020  
 GGGAGCGACC AACTGATCGC ACACATGCTT TGTTTGATA TGGAGTGAAC ACAATTATGT1080  
 ACCAAATTTA ACTTGGCAAA CTTTCTATTG CCTGTCCCAT GTGCATCTTA TTTAAATTTT1140  
 CCCCCATGGA AATCACTCTC CTGTTGACTA TTTCCAGAGC TCTAGGTGTT TAGGCAGCGT1200  
 GTGGTGTCTG AGAGGCCATA GCGCCATCAT GGGCTGATTT TTATTACCAG GTCCCCCAGA1260  
 AGCAGGTGAG AGGCTCTGCT TCCTGCTGCC GCTCTGCAGC CTGGACCTGT GGACCCTGGT1320  
 TGTAAAGAGT AAATTGTATC TTAGGAAACC AGTGTACCT TTTTTCACC TTTTAATTTT1380  
 ATATTATTTG CGTCATACAT TTCCTGTAAC GGAAGTGTTA ATTTTACTGT ACTTTTGGT1440  
 ACCCCTTTTG GGAATCTAAT GTATTGTAAG GTATTTTACA CGTGTCCCTGA TTTTGGCCACA1500  
 ACCTGGATAT TGAAGCTATC CAAGCTTTTG AAATAAAATT TAAAAACCCC AAGCCTGGGT1560  
 GAGTGTGGGA AAAAAAAAAA AAAA 1584  
 Name: 25 Len: 237 Check: 14F6  
 GGAGTATTGG AGAGGCGGCC TTATGAGGAC CAGGGGCTCG GGGAGACGAC TCCTCTTACT 60  
 ATCATCTGCC AGCCCATGCA GCNCTGAGG GTCAACAGCC AGCCCGGCCC CCAGAAGCGA120  
 TGCCTTTTTG TGTGTCGGCA TGSTGAGAGG ATGGATGTTG TGTTTGGGAA GTACTGGCTT180



145

GTCCCACTGTC NTCGATNGCA AAGGCGNCTA CATNCGCAAG CAACCTNGAA CATNGCC 237  
 Name: 250 Len: 1121 Check: 39B  
 GGAATTCCTT ATAGAGCCGG GTGAGAGAGC GAGCGCCCGT CCGCGGGTGT CGAGGGCGGG 60  
 TTGCCTCGCG CTGACCCCTT CCGCCCTCCT TCTCGTCACA CACCAGGTCC CCGCGGAAGC 120  
 CGCGGTGTCT GCGCCATGGC GGAGCTGACG GCTCTTGAGA GTCTCATCGA GATCGGCTTC 180  
 CCCAGGGGAC GCGCGGAGAA GGCTCTGGCC CTCACAGGGA ACCAGGGCAT CGAGGCTGCG 240  
 ATGGAATGGC TGATGGAGCA CGAAGACGAC CCCGATGTGG ACCAGCCTTT AGAGACTCCC 300  
 CTTGGACATA TCCTGGGACG GGAGCCCACT TCCTCAGAGC AAGGCGGCCCT TGAAGGATCT 360  
 GCTTCTGCTG CCGGAGAAGG CAAACCCGCT TTGAGTGAAG AGGAAAGACA GGAACAAACT 420  
 AAGAGGATGT TGGAGCTGGT GGCCCAAGAG CAGCGGGAGC AAGAGTTGTC AGCAGCACGA 480  
 CAGGCATTGG AACGGGAACG GCAGCGCAGG AGACAAGGCG AAGAGTTGTC AGCAGCACGA 540  
 CAGCGGCTAC AGGAAGATGA GATGCGCCGG GCTGCTGCTG AGGAGAGGCG GAGGGAAAAT 600  
 GCGGAGGAGT TAGCAGCCAG ACAAAGAGTT AGAGAAAAGA TCGAGAGGGA CAAAGCAGAG 660  
 AGAGCCAAGA AGTATGGTGG CAGTGTGGGC TCTCAGCCAC CCCAGTGGC ACCAGAGCCA 720  
 GGTCTCTGTT CCTCTTCTCC CAGCCAGGAG CCTCCACCA AGCGGGAGTA TGACCACTGT 780  
 CGCATACAGG TCAGGCTGCC AGATGGGACC TCACTGACCC AGACGTTCCG GGCCCGGGAA 840  
 CAGCTGGCAG CTGTGAGGCT CTATGTGGAG CTCACCCGTG GGGAGGAACT AGGTGGGGGC 900  
 CAGGACCCCTG TGCAATTGCT CAGTGGCTTC CCCAGACGGG CTTCTCAGA AGCTGACATG 960  
 GAGCGGCCCTC TGCAGGAGCT GGGACTCGTG CTTCTGCTG TTCTCATTGT GGCCAAGAAA1020  
 TGTCCAGCT GAGGGCCTTT GTCCCATTTG CTTCTGTGA CCCCTTCATC TTTGATAAAG1080  
 CACTGACATC TCCTTCCTAA TAAATAGACC CTGAGTTCTG T 1121

Name: 251 Len: 2337 Check: 25F0  
 GGAGCGGCCA ACATGGCGGA ACGCAGGAGA CACAAGAAGC GGATCCAGGA AGTTGGTGAA 60  
 CCATCTAAAG AAGAGAAGGC TGTGGCCAAG TATCTTCGAT TCAACTGTCC AACAAAGTCC 120  
 ACCAATATGA TGGGTCACCG GGTGATTAT TTTATTGCTT CAAAGCAGT GGACTGTCTT 180  
 TTGGATTCAA AGTGGGCAAA GGCCAAGAAA GGAGAGGAAG CTTTATTAC AACAGGGAG 240  
 TCTGTGGTTG ACTACTGCAA CAGGCTTTTA AAGAAGCAGT TTTTTCACCG AGCCCTAAAA 300  
 GTAATGAAA TGAAATATGA TAAAGACATA AAGAAAGAAA AAGATAAAGG AAAAGCTGAA 360  
 AGTGGAAAAG AAGAAGATAA AAAGAGCAAG AAAGAAAATA TAAAGGATGA GAAGACAAA 420  
 AAAGAAAAG AGAAAAAAA AGATGGTGAA AAGGAAGAAT CCAAAAAGGA GGAAACTCCA 480  
 GGAACCTCTA AAAAGAAGGA AACTAAGAAA AAATTCAAAC TTGAGCCACA TGATGATCAG 540  
 GTTTTTCTGG ATGGAATGA GGTGTATGTA TGGATCTATG ACCCAGTTCA CTTTAAACA 600  
 TTTGTCTATG GATTAATTCT TGTGATTGCA GTAATAGCGG CCACCCCTCTT CCCCTTTGG 660  
 CCAGCAGAAA TGAGAGTAGG TGTATTATAC CTCAGTGTGG GTGCAGGCTG TTTTGTAGCC 720  
 AGTATTCTTC TCCTTGCTGT TGCTCGATGC ATTCTATTTC TCATCATTTG GCTCATAACT 780  
 GGAGGAAGGC ACCACTTTTG GTTCTTGCCA AATCTGACTG CTGATGTGGG CTTTATTGAC 840  
 TCCTTCAGGC CTCTGTACAC ACATGAATAC AAAGGACCAA AAGCAGACTT AAAGAAAGAT 900  
 GAGAACTCTG AAACCAAAAA GCAACAGAAG TCCGACAGTG AGGAAAAGTC AGACAGTGAG 960  
 AAAAAGGAAG ATGAGGAGGG GAAAGTAGGA CCAGGAAATC ATGGAACAGA AGGCTCGGGG1020  
 GGAGAACGGC ATTCAGACAC GGACAGTGAC AGGAGGGAAG ATGATCGATC CCAGCACAGT1080  
 AGTGGAAATG GAAATGATTT TGAAATGATA ACAAAGAGG AACTGGAACA GCAACAGAT1140  
 GGGGATTGTG AAGAGGATGA GGAAGAGGAA AATGATGGAG AAACACCTAA ATCTTCACAT1200  
 GAAAAATCAT AATCTGACTA ATTTTGGGAC TGAATGAATA AGTACAAGAG GTTGGATTTT1260  
 CTATGTTGGC TGATTACCAT ATTGAACACA TGGCATTGTT AGCATTCTTT AAATCTATCT1320  
 ACTGAAATGT ATTTGACATT CAGGCAGTTA TATTCGGTCC TTCATTTTAT AGAATATTGG1380  
 CACTATTATT GGTACAGTTT AAAGCCATTA ATATGTTTTA TCCATTTGAT AATTTTACAG1440  
 TAAGTAGGTC TCATTCATTT TGACAGTTAT CAAAGATGTA CTTTCCACAG TTAAATTTAC1500  
 ATTAATGGCA ATTTTGTATA GTTTTATGGC TTTTACTGT TAGACTAATC AAAATAACT1560  
 TTAAAAGGAA CAAAGAACT CCAACATTTT ACATTATGCA TAGTTATGTA GCCATTTTAC1620  
 AGTTTCTTTA AGATGTGTAA ACTCATTGTC CTGATAGTT TTTATTTTTC ATTATAAAAT1680  
 TATACCAGGA GATTTCTTTT AAGATTCTGA GTTAGCAGAG TTCAAACTA TTTTGTGGAA1740  
 ACAAGCCAAC TAGTAACAAT GCAGCAACAC TTCTGGTTTA GCTAAATTAT TTTTCCAATG1800  
 TAGGAAATCC AACTGATTT GTACGCTCTG CTGAGAGAAA GATGGTCGTC TCCAGCAGAG1860  
 AAAGTGAACA GCATTTGTTG GAAGGTGATG GCTCTCCCTC CTCCCTCCCC ATTTTATTGG1920  
 CGTAACGTAA AGTGTATTCT GTACATAATT TACAAATAAA ACATTTTAT TTAATTGTTA1980  
 CTTATTATTT AGATATTTCT CAACACTTAA ATTCATAAAA TTAAGACCAT GTAAGGGTAT2040  
 GTTTTAGAG AAATGGAAGT TTGAGTAACC CACAGAACAT CTGTGATCTT TCTACAGCAG2100  
 CTTCACTTTT GTGCCAACAT TCCATGTATT TTGAATATGA GCAAAAACCTG ATCTTAAGAG2160  
 CAGACTTAAA GTAGCTTTGT ACGCCTTAAT GTTCATTTTG ATTTATTTTA AATCTTTACA2220  
 TTCAGAAATG AGATACTGTA TTATCAGACC AGGAGGCATT GCTGTGAAAG ATAATTTCTT2280  
 ATTCTAAAT ATCAAATTTA AAATAAAGAT AATGAAAGAA AAAAAAATA AAAAAA 2337  
 Name: 252 Len: 3380 Check: 3E0  
 GCACACCATG GTGCACTTCT GTGGCCTACT CACCCCTCCAC CGGGAGCCAG TGCCGCTGAA 60

146

GAGTATCTCT GTGAGCGTGA ACATTTACGA GTTGTGGCT GGTGTGTCTG CAACTTTGAA 120  
 CTACGAGAAT GAGGAGAAAG TTCCTTTGGA GGCCTTCTTT GTGTTCCCCA TGGATGAAGA 180  
 CTCTGCTGTT TACAGCTTTG AGGCCTTGGT GGATGGGAAG AAAATTGTAG CAGAATTACA 240  
 AGACAAGATG AAGGCCCGCA CCAACTATGA GAAAGCCATC TCCAGGGGCC ACCAGGCCCT 300  
 CTTATTGGAG GGGGACAGCA GCTCCAGGGA TGTCTTCTCT TGCAATGTGG GTAACCTCCA 360  
 ACCTGGGTCTG AAGGCGGCAG TCACCCTGAA GTATGTGCAG GAGCTGCCTC TGGGAAGCAGA 420  
 TGGGGCTCTG CGCTTTGTGC TCCCAGCTGT CCTGAATCCT AGATACCACT TCTCTGGGTC 480  
 GTCTAAGGAC AGTTGCCTTA ATGTGAAGAC TCCTATAGTC CCTGTGGAGG ACCTGCCCTA 540  
 CACACTCAGC ATGGTCGCCA CCATAGATTC CCAGCATGGC ATTGAGAAGG TCCAATCCAA 600  
 CTGCCCCCTTG AGTCCTACCG AGTACCTAGG AGAGGACAAG ACTTCTGCTC AGGTTTCCCT 660  
 GGCTGCTGGA CACAAGTTTG ATCGGGACGT GGAACCTCTG ATTTACTACA ATGAGGTGCA 720  
 TACCCCCAGC GTGGTTTTGG AGATGGGGAT GCCTAACATG AAGCCAGGTC ATTTGATGGG 780  
 AGATCCATCT GCAATGGTGA GTTCTATACC AAATATCCCA GAAGATCAAC CATCAAATAC 840  
 CTGTGGAGAG TTTATCTTTT TCATGGACCG CTCGGGAAGT ATGCAGAGCC CCATGAGTAG 900  
 CCAGGATACA TCTCGCTGCG AATACAGGCA GCCAAGGAAA CACTGATTTT GCTGCTGAAG 960  
 AGTTTACCTA TAGGCTGTTA TTTCAACATC TATGGATTG GCTCTTCCCTA TGAGGCATGC1020  
 TTTCCGGAGA GTGTGAAGTA CACTCAGCAA ACAATGGAGG AGGCTCTGGG GAGAGTGAAG1080  
 CTTATGCAGG CCGACCTAGG GGGCACTGAA ATCTTGGCAC CACTCCAGAA CATTTACAGG1140  
 GGACCCCTCA TCCCAGGCCA CCCCCTACAG CTTTTTGTCT TTACAGATGG AGAAGTTACA1200  
 GACACGTTTA GTGTAATTAA AGAAGTTAGG ATCAACAGAC AGAAACACAG GTGTTTCTCA1260  
 TTTGGTATTG GAGAAGGCAC CTCCACCAGC CTAATAAAAG GTATTGCCCG GGCATCAGGG1320  
 GGCACCTCAG AATTTATCAC AGGCAAAAGC AGGATGCAGT CCAAGGCTCT CAGGACTCTG1380  
 AAACGCTCTC TGCAGCCTGT GGTAGAGGAT GTCTCTCTGA GCTGGCATTG GCCTCCTGGT1440  
 CTGTCTGCTA AAATGCTTTT CCCAGAACAG ACTGTCTCTT TTAGGGGTCA GAGATTAATC1500  
 AGCTATGCCC AGCTGACCGG GAGGATGCCA GCAGCAGAGA CAACAGGAGA AGTATGCCTC1560  
 AAATATACAC TCCAGGGCAA GACTTTTGAG GATAAGGTGA CATTTCTCTT ACAACCAAG1620  
 CCTGATGTCA ACCTCACCAT TCACCGCCTT GCTGCCAAGT CCTTGCTCCA GACCAAGGAC1680  
 ATGGGCCTCA GGGAGACTCC AGCAAGTGAT AAAAAAGATG CATTGAACCT TAGCCTTGAG1740  
 TCTGGTGTCA TAAGCTCCTT CACAGCTTTC ATTGCTATCA ATAAGGAGCT CAACAAGCCG1800  
 GTTCAGGGGC CTCTGGCTCA TAGGGACGTC CCAAGGCCAA TTCTGTTGGG TGCTTCTGCC1860  
 CCATTGAAGA TAAAATGCCA ATCAGGTTTT CGAAAGGCCT TACACTCTGA CCGTCCTCCT1920  
 TCTGCATCTC AGCCCAGAGG GGAACCTATG TGTATAAGG CCAAGACATT CCAGATGGAC1980  
 GATTACAGTC TCTGTGGGTT GATAAGTCAC AAGGACCAGC ACAGTCCAGG CTTTGGAGAG2040  
 AATCACCTTG TGCAGCTGAT TTACCACCAA AATGCAATG GTTCTGGGA TCTGAATGAA2100  
 GATCTAGCCA AGATCCTAGG TATGAGTTTG GAAGAAATAA TGGCTGCACA GCCTGCCGAG2160  
 CTTGTGGATT CCTCAGGCTG GGCCACCATC CTGGCCGTGA TCTGGCTGCA CAGCAATGGT2220  
 AAGGACTTGA AGTGTGAATG GGAGCTTCTG GAAAGGAAGG CCGTGECCTG GATGCGTGCC2280  
 CATGCAGGCT CCACCATGGC TTCGGTTGTG AAAGCTGCTA TTACTTTCCT GAAGTCATCT2340  
 GTGGATCCCT CTATCTTTG CTTTTGAAGA TACCATCCAG AAAAAGAAGT GCCTTTAATT2400  
 TGCTACTGTC ATTTCTCTTA GTATCACTTT TGCTGTGATG ATGTSTTCTT GTGTATTATA2460  
 ACTCTTTTAT TTTTGCCATA AAAGTAAAGG ATGCTTACTC CACTTCGCTT CTCTGCTCCA2520  
 GGTTCACTTT GGATATGATC TTTCTTTTCC CAACATATGC CCTCAGAAAA GTGACAGTGG2580  
 TCCCAGAACC TATTCCTTTT CTGAGGGGAG TTCAAAACAT TCATAGGCAG TAATGTCTCT2640  
 CCCAGGGTTT CCAGGGAAAC AACATGAAAA ACAGGTGACA TGAACCTACAG ACTAAAGATT2700  
 GCAGCATTTA TGTTAGAGAA TGCTTGAATT AGAGAATTTT CTGCATTATC TTTGTCTGTT2760  
 CACTTTCTAT CTTATATACT TATCAGGGCC ATACTGGTAA GCTTGCGTAG GAGGAGTTAG2820  
 AGGGAAGTTG AAAGCCAACA TCTGGATCAA TGTAATGTCA AGATCACAAA GACAGAGACT2880  
 GCAGGGGTCC ACTGTGAGAG GTGACACTGT TGGGGACCTT CCTGATTCAT TCTTCTGGG2940  
 CTTTGCTAGC CTGTACAACC TACATGTCTT TTCTTCCACT GCCTGAAAGA CTTGGGTTGA3000  
 ACTATAACTG TTGGAGAGAG ATGTTCTCTT TTAATCATGA AACACCTTAA GAAGTCTATA3060  
 ATGCAATCCT TAGTCCTACC CTGAACCTAT GTGTCTCTTA AGTCAGGCCC TGATCTAGTG3120  
 CAGTAAAGGG AAGGGTGGGC TTAATGGGAG CTTTGCCCTG GACCTGAACC TGGAGCACTT3180  
 ACCGCATTAG GAAGAAAGGA GCTCCCCGTA ATCGTTCTCT ACCCTTGTGT CTCATATACC3240  
 CTATCCTGGT GGAATGACC CTATTTGATA TGCTGTCCCT TAAAATAACT TGTATCAATA3300  
 TTAATATGAC TATTTCTACC CTTTAAAAAA AAAAAAATAA AAAAAAATAA AAAAAAATAA3360  
 AAAAAAATAA AAAAAAATAA 3380

Name: 253 Len: 6823 Check: 1202  
 GGCGGACAAA ACGCCAGGCG GATCTCAGAA GGCCAGTTCA AAGACGAGAT CATCAGATGT 60  
 TCATTCACTT GGATCTTCAG ATGCACATAT GGATGCATCT GGACCCCTCAG ATAGTGATAT 120  
 GCCAAGTCGG ACACGACCTA AGAGCCCAAG AAAACATAAT TATAGGAATG AAAGTGCCCG 180  
 TGAAAGCCTT TGTGATTCTC CTCATCAGAA TCTCTCAAGA CCTCTTCTGG AAAACAACT 240  
 TAAAGCATTC AGTATTGGAA AAATGAGTAC AGCTAAGCGA ACTTTAAGTA AAAAGGAACA 300  
 GGAAGAATTA AAGAAAAAGG AGGATGAAAA GGCAGCTGCT GAGATTTATG AGGAGTTTCT 360

147

TGCTGCTTTT GAAGGAAGTG ATGGTAATAA AGTGAAAACA TTTGTGCGAG GGGGTGTTGT 420  
TAATGCAGCT AAAGAAGAAC ATGAAACAGA TGAAAAAAGA GGTAAATCT ATAAGCCATC 480  
TTCAAGATTT GCAGATCAAA AAAATCCTCC AAATCAGTCT TCCAATGAAA GACCACCATC 540  
TCTTCTTGIG ATAGAAACCA AAAACCTCC ACTTAAAAAA GGAGAGAAA AAAAGAAAA 600  
AAGCAATTTG GAACTCTTCA AAGAAGAATT AAAGCAAATT CAAGAGGAAC GTGATGAGAG 660  
ACATAAACA AAAGGCAGAT TAAGTCGATT TGAACCTCCT CAGTCAGATT CTGATGGTCA 720  
GCGTCGTTCT ATGGACGCGC CTTCAAGAAG AAATAGATCA TCTGGTGTTT TTGATGATTA 780  
CGCACCTGGC TCACATGATG TAGGAGATCC AAGCACTACT AATTATACC TTGGAAACAT 840  
TAATCCACAG ATGAATGAAG AAATGCTGTG CCAAGAATTT GGAAGATTTG GACCGTTAGC 900  
CAGTGTGAAA ATCATGTGGC CTAGAACTGA TGAAGAAAGA GCCAGAGAGA GAAATTGCGG 960  
CTTTGTGGCC TTTATGAATA GAAGAGATGC TGAAAGAGCT TTAATAAATT TGAATGGAAA1020  
AATGATTATG TCTTTTGAAA TGAAGTTAGG TTGGGGTAAA GCTGTACCTA TTCCTCCACA1080  
TCCAATATAC ATTCCGCCTT CTATGATGGA ACATACGCTT CCCCCACCTC CATCCGGACT1140  
GCCITTTAAT GCGCAGCCTA GAGAGCGGTT AAAAAACCTT AATGCTCCTA TGTACC GCC1200  
ACCTAAAAAC AAAGAGGATT TTGAGAAGAC TCTGTCGCAA GCCATAGTCA AAGTGGTTAT1260  
CCCAACAGAA AGGAATTTGC TCGCCCTGAT ACATCGAATG ATAGAGTTTG TTGTACGTGA1320  
AGGGCCAATG TTTGAAGCTA TGATTATGAA CAGAGAAATC AACAATCCTA TGTTCAGGTT1380  
CTTATTTGAA AACCAGACAC CAGCCCATGT TTACTATAGG TGGAGCTTT ATTCTATTCT1440  
GCAGGGAGAT TCTCCAATA AATGGCGGAC GGAAGATTTT CGTATGTTCA AAAATGGATC1500  
TTTTTGGAGG CCACCACCAT TAAATCCGTA CTTGCATGGA ATGTCAGAAG AGCAAGAAAC1560  
AGAAGCTTTT GTAGAGGAAC CTAGTAAAAA GGGAGCACTT AAGGAAGAAC AGAGGGATAA1620  
ATTGGAAGAA ATCTTGCGGG GATTAACCTC AAGGAAAAAT GATATTGGAG ATGCAATGGT1680  
TTTCTGTCTT AATAATGCTG AAGCTGCTGA AGAAATAGTG GATTGCATTA CTGAGTCGTT1740  
GTCCATCTTA AAGACACCCC TTCCTAAAAA GATTGCCAGA TTATATTGTT TTTCTGATGT1800  
TTTGATACAAC TCTTCAGCCA AAGTTGCTAA TGCTTCATAT TATAGAAAAA TTTTGAAC1860  
AAAGTTATGT CAGATATTTT CAGACCTCAA TGCCACCTAT CGTACAATC AAGGCCATTT1920  
ACAATCTGAA AACTTTAAGC AACGGGTAAT GACTTGCTTC AGAGCATGGG AAGATTGGGC1980  
AATTTATCCA GAACCATTTT TGATCAACT ACAAAATATT TTCTTAGGAC TTGTAAATAT2040  
TATTGAAGAA AAGGAAACAG AGGATGTTCC AGATGACCTT GATGGTGCCC CCATCGAGGA2100  
AGAGCTTGAT GGTGCACCTC TGGAAGATGT AGATGGAATT CCTATTGATG CTACTCCCAT2160  
CGATGATCTT GATGGAGTCC CTATAAAAAG TCTTGATGAT GATCTTGATG GAGTGCCTTT2220  
GGATGCAACT GAAGACTCAA AAAAGAATGA GCCTATATTT AAAGTTGCCC CATCAAAATG2280  
GGAAGCTGTG GATGAATCTG AATTGGAAGC ACAGGCTGTT ACAACTTCTA AATGGGAATT2340  
ATTTGACCAG CATGAAGAAAT CAGAAGAAGA AGAAAATCAA AATCAAGAAG AAGAAAGTGA2400  
AGATGAAGAA GATACTCAA GTTCCAAATC TGAAGAACAT CATTGTACT CTAATCCAAT2460  
CAAAGAAGAA ATGACTGAGT CTAAGTTCT TAAGTACTCT GAAATGACTG AGGAAAAACG2520  
AGCCAACTT CGTGAAATTG AGCTCAAAGT TATGAAGTTT CAGGATGAAT TGGAAATCTG2580  
GAAAAGACCT AAAAAACCAG GCCAGAGTTT TCAGGAGCAA GTAGAACACT ACAGAGATAA2640  
ACTTCTTCAA CGAGAGAAAG AGAAAGAGTT AGAAAGAGAA CGAGAAAGAG ACAAGAAAGA2700  
TAAAGAAAAA TTGGAATCTC GCTCCAAAGA CAAGAAGGAA AAAGATGAGT GTACTCCGAC2760  
AAGGAAGGAA AGGAAGAGGC GACACAGTAC ATCCCCCAGC CCATCTCGCA GTAGCAGTGG2820  
TAGACGAGTG AAATCCCCAT CACCAAAATC GGAGCGATCA GAGCGTTCAG AAAGATCTCA2880  
TAAAGAGAGC TCACGETCCA GGTCACTCTA CAAAGATTCT CCTAGAGATG TTAGCAAAAA2940  
AGCCAAAAGA TCACCATCTG GTTCAAGGAC ACCTAAAAGG TCTAGGCGAT CACGGTCTAG3000  
ATCTCCTAAA AAATCAGGAA AGAAGTCCAG ATCCAGTCC AGATCTCCAC ACAGGTCTCA3060  
TAAAAAGTCA AAGAAAAACA AACACTGACG TAAATTTTAA AGATGCTGTC ACTTATTGGA3120  
AATGCGATTT GTTTGTGCC TGAACGGTCT GTTTTTTAAA AAAACAAAAA ATCAAATGAA3180  
AGAGCATTC TGGGGTTTTT TGTTTGTGTT TGTATGCATG TGTAAACTCA TGAGCAACTG3240  
CATCTGTAGA TCTGTCATTG TTTTATATTG TGTAAATTAC TTTTATTGTG GCTATTTCTC3300  
AAGATGAAAT TTTTATTGTT CTAATGGATT TCATCAGAAA TGTGTATAAT GGATCTGCTG3360  
ACAGTAGTAG TATTTGTGTT TAGGATGTTG TGACTTAGCA AAAATAATAC AGATGTCTTC3420  
CCCCCTTTTG TAGCTTTGAC AATTTGAATT AGATTTCAAA TAAAACTGTA ACAGAAAACT3480  
ATAATGTTGT TTTTTGCCC CACCGGTGAT ATTAAGTCCC TTAAGTCCCT ACTGAGTTTC3540  
ACACTACTGT TGTGCTTCTT ATACCTGATG CACTTTATAA GCCCCAGTGT TCAAGTAGCT3600  
TAAGTTTTAT ATTTACTAAG ATGACTATCC AAATTAAGGG ACCTGAGACT CCTATTTGGT3660  
GGTTTGCTAA CCATTTGCTT TTGATAAGTT TCTCTTGGGT AATACTAATA CCCAGATATC3720  
AAAGACTAGG TAGATATGGC ATGGCGTTTT GTTAGTGGAA TGCCTGGCTA AAACATTTT3780  
TTCACAGAAG CAATATGATT TCCATACATC CAACCCATGT TCTGAGCAAC TACTTACTTT3840  
TAGGGGGAAA TTAATATCT TTTTATTTCC TCTTCTATTA TGAAAGAAGT TTATTTGTAA3900  
AACAAATTTT CTAACAAGGT TTGGCCATAG AATTCTCTTG TATGATTGTT GACCTTTTAT3960  
AATCTTCTGT AGGCTATCTT TCAAACACTG GCATCAGAAT ATTTTTTATA AGTTTGTGTT4020  
TAAACAGCTT AGTTGGTCCC CCCCCCACT CCAAGAGAC TTGGGTTTAG TTATAGCTTT4080  
AAGTAAATTT TAAAAATAAA ATGTTTTTCA GGAACTTCG TATCTAATGG TTTGTAAAT4140

148

CAAGGTGCRA AAAGTTGATT TAAACCATTT GCAGAGTTGA ACTCTATTAT GAAAATAAAT4200  
 TTGCTACGGT ATGAGGAAGA AATAAACTT GTGTAATGT GGTGATAATA CTGCTATAAA4260  
 TATAATAAAG GGTATGTAG AATTGAACG ACACATATTAT TTGTGAATCT TGATTTCAGT4320  
 TTTTATGTG GGCACCTCAT ACACCTGTTT GATGGGTTTT TTTTTCCTC CCTAAAAGAG4380  
 AAAGTAGAAA ACTATTCTAA CAATGGATTA TTTTGATTTA GCTTGCTTTT TAAAAAATC4440  
 TTTTCAACTT GTTTTACITA ATCTTGCCTA GTCACAAAAT AAGATGTGCA CCCATGGTTT4500  
 GGAGAGTTCC TATATTAGCT GAGCAGTGAG ATACACTATT TCCAAACGGT GCACACCTAC4560  
 AGTAGCTTTG GAAATGAGCC AATCACTGTT TTACTTAATG GTTCTTATCA GCATGCAAA4620  
 ATTGCTTGAA AGTTATTTCC TTATTCACG TTTTGTAGT CCATTTTGTT AGGAAACATT4680  
 AATTCTCTAA AATTGTTC AATAATTAA AAGTGAACAT TTGGTGCTGA TACTCAAAA4740  
 CCTACAAATG TAGCCATTTA AAAAGTAACA TGTTTTCTC CCCTGCTCAT TGCCTGGGAG4800  
 AATGGAATTT TATAAATA CTTTCTTTG CAAAAATAAC GGTCGTGTCG AGTTGGTGGT4860  
 GATTTTGGCA TTCCATCTTG CACTGGTTTC TAGTATAGGC TTAGAAATAA TTGGTCAGGT4920  
 AATAATCTTT CCAGTCAAGT TGCAAGGGAT GCTTATTTCT CTCAAAAAA AGACATCCTG4980  
 CGGGATTGAG TAGAAAATTT TAGGTCAGTT TTGGGTGCTT ATTTGTAATA TTTTCTCTAC5040  
 TACATTGGAG TTTAGCAGTT CTTTTTTTCT GGATCCAGAT ACAAGTGTC TGGTTTATCT5100  
 TACAGTGGGT GAAACTGACT TTCTTTTGGT TGGGTGGGTG AGGATTCTT AGGCCTGATA5160  
 GAATATATAT TCTGTGAAGT TTGTTAATGT ACATATTAGA TTGTAITGGA TTTTTTTTTC5220  
 TTGAATTGCA AATGGTATTA TTAGATAGG TATTCTCAGT TTTACTTCAT GACAAATAC5280  
 CTAGAGTAA CTTCAATTA ACTCCAATGG ATTCTATGAA AGTTAATGG GATCAGAAAT5340  
 TGGTGACTTA TAAGGGGGAA GATATTCTAC CATATTTTTA TAATAGCTTA TTATTCATGT5400  
 TTCTTGCTG AAGGACACTC AAGTTACAGA GCAAAATTTT TATAGGTTGA CTAGAATGTT5460  
 CATAAGCATG GTCTTCCAGT TGCAGGAAAG ATCATGTTCT ATCTGTGGAC ACTTACTGTC5520  
 CTCTACCACA GCTACGTGCC AGAGTTGTTT TCCACAGTTC TTATAAAGGG CATGACTTAG5580  
 GCTCTTTACC CTCCAACCTA ATGTTTATAC ACAGGGATTG TTTACTAGGT TAATGACATT5640  
 TAACTCCCT CTCTTCTGTA GGTGAGAGAA AATAAGTAAG TCTTGATCTG TTTCTTACCA5700  
 AAGAGAGACA GACCTATGAT GGAAAATGAT CACGTCTCTG AATTTTTTCT TTAACGTTAT5760  
 AGTTCTTAT TACAGATAGT AAGCATATGG GAATTTCTGA GCTATAACAT GTTGAGAAGT5820  
 TAGAAATTA AACTAACACA ACAAAGGCG CTGAATCAAA AGATCTTTGC TTTTATTTGG5880  
 CTCAGAAATG TTTTGGCTTT TCTGCTAAAG ATGGCAGAAA TTAATCTACA CAGACCTGAT5940  
 TTTTCTTTAT TGCAGACCAT TCTTGTTGGC TTACCCTGAG ACTTTTATCC CAATTAGTGA6000  
 ATCTTGGAGG GAATACTTGC TTATTTATGA CTTAGGTATT TCCCCCAAA CTTTAATATT6060  
 CTTGAGCACT TGAAAATACT TTTGAGAAAT TTTAACTGTG ATTAAATTTA GGTTTATTAG6120  
 AAATATTCTG TACACATTTG COTCCATGGT GGTGTAAGT CTGAAAAT ATATGACCGT6180  
 GACAATAGTT TATCATCATC ATTATTGTTA TTCAAAATAA GGGTAAATAA ATCTCTGTAT6240  
 TGCCAAAGTG ACTTAACTG TTCTGATGAC CACACAGTGT GATTTCTTTA GCAGAGAAAG6300  
 TTGGTTTTTA AAATAAATAG TACCACTTTT TTTTAGTGAA AAGCCTAAT ACAGAAAATT6420  
 GTGCAGATAC TAGTGAAGAT ACTAGTATAA GTTTAAAGGA ACATGTGACT GTAAAATCTC6480  
 ACATTTACAA AGTGCTTGAT CTCTTCATAT TTCACACGCA TGTTTTAGAA TAGATTTTAG6540  
 GGAGTGTTTA ATTCATTATC CTTTGTACTT AAAATTTTTG TTACCAACTT CCTAGGACTT6600  
 AGATAATATA TAAATAAGTA CAAATCCCAG GGAAGTGTG GTGATGCTAG ACTAAAAGGT6660  
 GGAATGTGC TGCTGTTCCG TGAGCCTGT TCCATTGTTG AAAATTTGAT GCCTCAGTGT6720  
 TTATTCAGTA CCACCTCATG GAGCTTCAAT GTAAATGGAT TATATGTATA ATTGGTAATT6780  
 TGTATAGTTT TGTAGATTGT AGATTAAAT CACTCATCAT GTC 6823

Name: 254 Len: 6252 Check: EDD  
 CCGGGGGGCA ATGGCACTGC AGCTCTGGGC COTGACCTG CTGGGCGTGC TGGGCGCAGG 60  
 TGCCAGCCTG AGGCCCGCA AGCTGGACTT CTCCCGCAGC GAGAAAGAGC TGAACACCT 120  
 GGCTGTGGAT GAGGCCTCAG GCGTGGTGTA CCTGGGGGCG GTGAATGCC TCTACCAGCT 180  
 GGATGCGAAG CTGCAGCTGC AGCAGCAGGT GGCCACGGGC CCGGCCCTGG ACAACAAGAA 240  
 GTGCACGCCG CCCATCGAGG CCAGCCAGTG CCATGAGGCT GAGATGACTG ACAATGTCAA 300  
 CCAGCTGCTG CTGCTCGACC CTCCCAGGAA GCGCTTGGTG GAGTGCGGCA GCCTCTTCAA 360  
 GGGCATCTGC GCTCTGCGCG CCCTGAGCAA CATCTCCCTC CGCTGTCTT ACGAGGACGG 420  
 CAGCGGGGAG AAGTCTTTTC TGGCCAGCAA TGATGAGGGC GTGGCCACAS TGGGGCTGGT 480  
 GAGCTCCACG GGTCTGTGTG GTGACCGGT GCTGTTTGTG GGCAAAGGCA ATGGGCCACA 540  
 CGACAACGGC ATCATCGTGA GCACTCGGCT GTTGGACCGG ACTGACAGCA GGGAGGCCTT 600  
 TGAAGCCTAC ACGGACCACG CCACCTACAA GGCCGGCTAC CTGTCCACCA ACACACAGCA 660  
 GTTCTGTGGC GCCTTCGAGG ACGGCCCTTA CGTCTTCTTT GTCTTCAACC AGCAGGACAA 720  
 GCACCCGGCC CGGAACCGCA CGCTGCTGGC ACGCATGTGC AGAGAAGACC CCAACTACTA 780  
 CTCCTACCTG GAGATGGACC TGCACTGCCG GGACCCCGAC ATCCACGCCG CTGCCTTTGG 840  
 CACCTGCCTG GCGGCTCCG TGGCTGCGCC TGGCTCTGGC AGGGTGCTAT ATGCTGTCTT 900  
 CAGCAGAGAC AGCCGGAGCA GTGGGGGGCC CGGTGCGGGC CTCTGCCTGT TCCCGCTGGA 960  
 CAAGGTGCAC GCCAAGATGG AGGCCAACC CAACGCCTGT TACACAGGCA CCGGGAGGC1020

149

CCGTGACATC TTCTACAAGC COTTECCACGG CGATATCCAG TGCGGGCGGCC ACGCGCCGGG1080  
CTCCAGCAAG AGCTTCCCAT GTGGCTCGGA GCACCTGCCC TACCCGCTGG GCAGCCCGCA1140  
CGGGCTCAGA GGCACAGCCG TGCTGCAGCG TGGAGGCCTG AACCTCACGG CCGTGACGGT1200  
CGCCGCCGAG AACAAACCACA CTGTTGCTTT TCTGGGCACC TCTGATGGCC GGATCCTCAA1260  
GGTGTACCTC ACCCCAGATG GCACCTCCTC AGAGTACGAC TCTATCCTTG TGGAGATAAA1320  
CAAGAGAGTC AAGCGCGACC TGGTACTGTC TGGAGACCTG GGCAGCCTGT ACGCCATGAC1380  
CCAGGACAAG GTGTTCCGGC TGCCGGTGCA GGAGTGCCTG AGCTACCCGA CCTGCACCCA1440  
GTGCCGCGAC TCCCAGGACC CCTACTGCGG CTGGTGCCTG GTCCAGGGAC GATGCACCCG1500  
GAAGGCCGAG TGTCCGCGGG CCGAGGAGGC CAGCCACTGG CTGTGGAGCC GAAGCAAGTC1560  
CTGCGTGGCC GTCACCAGCG CCCAGCCACA GAACATGAGC CGGC3GGCCC AGGGGGAGGT1620  
GCAGCTGACC GTCAGCCCCC TCCCTGCCCT GAGCGAGGAG GACGAGTTGC TGTGCCCTTT1680  
TGGGGAGTCG CCGCCACACC CCGCCCGCGT GGAGGGCGAG GCCGTCTCT GCAACTCCCC1740  
AAGCAGCATC CCGCTCACAC CGCCAGGCCA GGACCACGTG GCCGTGACCA TCCAGCTCCT1800  
CCTTAGACGA GGCAACATCT TCCTCACGTC CTACCACTAC CCCTTCTACG ACTGCCGCCA1860  
GGCCATGAGC CTGGAGGAGA ACCTGCCGTG CATCTCCTGC GTGAGCAACC GCTGGACCTG1920  
CCAGTGGGAC CTGGCTTACC ACAGTGTCCG GGAGGCTTCG CCCAACCCCTG AGGACGGCAT1980  
CGTCCGTGCC CACATGGAGG ACAGCTGTCC CCAGTTCCTG GGACCCAGCC CCCTGGTGAT2040  
CCCCATGAAC CACGAGACAG ATGTGAACCT CCAGGGCAAG AACCTGGACA CCGTGAAGGG2100  
TTCTTCCCTG CACGTGGGCA GTGACTTGCT CAAGTTCATG GAGCCGGTGA CCGTGAAGGG2160  
ATCTGGGACC TTCCGCTTTC GGACCCAAA GCTGTCCAC AGCAAGCTCC ATGTGACCCT2280  
CCTGCACCTC TACGTCAAGT CTTACGGCAA GAATATCGAC AGCAAGCTCC ATGTGACCCT2280  
CTACAACTGC TCCTTTGGCC GCAGCGACTG CAGCCTGTGC CGGGCCGCTA ACCCCGACTA2340  
CAGGTGTGCG TGGTGC3GGG GCCAGAGCAG GTGCGTGTAT GAGGCCCTGT GCAACACCAC2400  
CTCCGAGTGC CCGCCGCGCG TCATCACCAG GATCCAGCCT GAGACGGGCC CCCTGGGTGG2460  
GGGCATCCGC ATCACCATCC TGGGTTCCAA TTTGGGCGTC CAAGCAGGGG ACATCCAGAG2520  
GATCTCTGTG GCGCGCCGGA ACTGCTCCTT TCAGCCGGAA CGTTACTCCG TGTCCACCCG2580  
GATCGTGTGT GTGATCGAGG CTGCGGAGAC GCCTTTCACG GGGGGTGTCT AGGTGGACGT2640  
CTTCGGGAAA CTGGGCCGTT CGCCTCCCAA TGTCCAGTTC ACCTTCCAC AGCCCAAGCC2700  
TCTCAGTGTG GAGCCGCGAG AGGGACCAGC GGCGGGCGGC ACCACACTGA CCATCCACGG2760  
CACCCACCTG GACACGGGCT CCCAGGAGGA CGTGCGGGTG ACCCTCAACG GCGTCCCGTG2820  
TAAAGTGACG AAGTTTGGGG CGCAGCTCCA GTGTGTCACT GGCCCCAGG CGACACGGGG2980  
CCAGATGCTT CTGGAGGTCT COTACGGGGG GTCCCCCGTG CCAACCCCG GCATCTTCTT2940  
CACCTACCGC GAAAACCCCG TACTGCGAGC CTTTCAGCCG CTACGAAGCT TTGCCAGTGG3000  
TGGCCGCGAGC ATCAACGTCA CGGGTCAGGG CTTTCAGCCTG ATCCAGAGGT TTGCCATGGT3060  
GGTCATCGCG GAGCCCTGCG AGTCCTGGCA GCCGCGCGCG GAGGCTGAAT CCCTGCAGCC3120  
CATGACGGTG GTGGGTACAG ACTACGTGTT CCACAATGAC ACCAAGGTCT TCTTCTGTCT3180  
CCCGGCTGTG CCTGAGGAGC CAGAGGCCTA CAACCTCACG GTGCTGATCG AGATGGACGG3240  
GCACCGTGCC CTGCTCAGAA CAGAGGCCGG GGCCTTCGAG TACGTGCCTG ACCCCACCTT3300  
TGAGAACTTC ACAGGTGGCG TCAAGAAGCA CGCTGCAGGA GGCCGAGGCC TTCGTGGGTG CCGAGCGCTG3420  
CAATCTGAAC AAGGCGATGA AGACCGACCT GTACTGTGAG CCCCCGGAGG TGCAGCCCCC3480  
CACCATGAAG ACGCTGACGG GAGACACCAC ACACAACCTG CCCGAGTTCA TTGTGAAGTT3540  
GCCCAAGCGG CCGCAGAAAC TGGGCGCGCT GGAGTACGAC ACACGGGTGA GCGACGTGCC3600  
CGGCTCTCGC GAGTGGGTGC TGGGCGCGCT GGCCTGCTG GTGCTCATCG CGGTGTCTGT3660  
GCTCAGCCTC ATCTTGCCGC TGGTTCATCG GGCCTGCTG TATGAGAAGA TCAAGTCCCA3720  
CTACTGCTAC TGGAGGAAGA GCCAGCAGGC CCGCTGCAAG AAGGAATTCA CAGACCTGAT3780  
GCTGGAGGGC CTGGAGGAGA GCGTGC3GGG GCACGAGGCC GGCATCCCCG TGCTGGACTA3840  
GATCGAGATG GAGGACCAGA CCAACGACGT GGCCTCCAAG GACGGCGACA AGGACGTGAT3900  
CAAGACCTAC ACCGACCGCG TCTTCTTCTT GCGGCGGGCG GTGGTGGAGC AGGCCCTCTA3960  
GATCACCGGC AAGCTGGACA TCCCTGAGCC TTTCTCATC AATTTCTATC ACACCTGGA4020  
CCAGTTCTCC AACCTGCTGA ACAGCAAGTC GGTCTACTTC GCGTCCCTGC TGACGGTGGC4080  
GAACCAGCGG GAGTTCTCGG CCGCGGCCAA GGTCTACTTC ACGCTCTTCC TGGAGCTCCT4140  
GCTGCACGGG AAAGTGGAGT ACTACACGGA CATCATGCAC CGCAGGTCTG AGACTGTGGT4200  
GGAGCAGTAC GTGGTGGCCA AGAACCCCAA GCTGATGCTG CAGTACCTCA AGGACAGTGC4260  
GGAGAGGATG CTGTCCAAC TCTTCAAGGC CAGCTGTATC CAGGTGGAAA AGGGCCCGGT4320  
CGGGGAGCCC CTGTACAAG CCAAGTACAC TCTCAACGAC ACGGGGCTGC TGGGGGATGA4380  
GGATGCGGTA CAGAAGAAG CGGTGAGCGT GATCGTGCAG GACGAGGGAG TGGACGCCAT4440  
TGTGGAGTAC GCACCCCTGA CGGTGAGCGT CTCCCAGGTC AAGGAGAAGA TCATTGACCA4500  
CCCGGTGAAG GTCCTCAACT GTGACACCAT GCGGAGGCCA GACAGCGTGG TCCTGGAGTG4560  
GGTGTACCGT GGGCAGCCCT GCTCCTGCTG GGCCTGGAC CTGACGTAC CCACCCTCAT4680  
GCGTCCGGC TCCACAGCGC AGATCCTGTC GGACCTGGAC CCGGATGGAG CCACCCTCAT4680  
CCGGTGAAG CCGCTCAACA CCCTTATGCA CTACAATGTC CAGCAGGACC TGCCTGGGGA4740  
CCTGTCCAAG GTGGGGGTCT CCCAGCAGCC GGAGGACAGC CTGGTGC3GGC CGACCGACGA4800  
GCGCCATGCC CTCCTGGAGG AGGAGAACCG GGTGTGGCAC

150

GGTGGACGAG GGCAAGTCCA AGAGAGGCAG CGTGAAAGAG AAGGAGCGGA CGAAGGCCAT4360  
 CACCGAGATC TACCTGACGC GGCTGCTCTC AGTCAAGGGC AACTGCGAGC AGTTTGTGGA4920  
 CAACTTCTTC CAGAGCGTGC TGSCGCCTGG GCACGCGGTG CCACCTGCAG TCAAGTACTT4980  
 CTTGCACTTC CTGGACGAGC AGGCAGAGAA GCACAACATC CAGGATGAAG ACACCATCCA5040  
 CATCTGGAAG ACGAACAGCT TACCGCTCCG GTTCTGGGTG AACATCCTCA AGAACCCCCA5100  
 CTTTCTCTTT GACGTGCATG TCCACGAGGT GGTGGACGCC TCGCTGTCTG TCATCGCGCA5160  
 GACCTTCATG GATGCTGCA CGCGCACGGA GCATAAGCTG AGCCGCGATT CTCCCAGCAA5220  
 CAAGCTGCTG TACGCCAAGG AGATCTCCAC CTACAAGAAG ATGGTGGAGG ATTACTACAA5280  
 GGGGATCCGG CAGATGGTGC AGGTACGCGA CCAGGACATG AACACACACC TGGCAGAGAT5340  
 TTCCCGGGCG CACACGGACT CCTTGAACAC CCTCGTGGCA CTCCACCAGC TCTACCAATA5400  
 CAGCAGAAG TACTATGACG AGATCATCAA TGCTTGGAG GAGGATCCTG CCGCCAGAA5460  
 GATGCAGCTG GCCTTCCGCC TGCAGCAGAT TGCCGCTGCA CTGGAGAACA AGGTCACTGA5520  
 CCTCTGACCT ACAATCTCCA GTGCTGCCTT GGGACATAGG TACCTGAGGT AOCTGAGAGC5580  
 CCCTCAGGGG AGGAGGCCGA GTGCTGTGG CTGAGGCCCC CACCCTCCCC TGGAACGCGC5640  
 CCCAAGCCGG AGTGGGTGCA GCCGGAACCC GCGCCAGCCTC TAGACTGTAG CATCTTCTC5700  
 TGAGCAATAC CGCCGGGCAC CGCACCAGCA CCAGCCCCAG CCCCAGCTCC CTCGGGCCGC5760  
 AGAACCAGCA TCGGGTGTTC ACTGTCTGAGT CTCGAGTGAT TTGAAAATGT GCCTTACGCT5820  
 GCCACGCTGG GGGCAGCTGG CCTCCGCTC CGCCACGCA CCAGCAGCCG CCTCCATGCC5880  
 CTAGGTTGGG CCCCCTGGGG ATCTGAGGGC CTGTGGCCCC CAGGGCAAGT TCCCAGATCC5940  
 TATGCTGTG TGTCCACCAC GAGATGGGAG GAGGAGAAAA AGCGGTACGA TGCCTTCTG6000  
 ACCTCACCGG CCTCCCCAAG GGTGCCGGCA CTCTGGGTGG ACTCACGGCT GCTGGGCCCC6060  
 ACGTCAAAGG TCAAGTGAGA CGTAGGTCAA GTCCTACGTC GGGGCCCAGA CATCTGGGG6120  
 TCCTGGTCTG TCAGACAGGC TGCCCTAGAG CCCCACCCAG TCCGGGGGGA CTGGGAGCAG6180  
 TTCCAAGACC ACCCCACCCC TTTTGTAA TCTTGTTCAT TGTAATCAA ATACAGCGTC6240  
 TTTTCTACTC CG 6252

Name: 255

Len: 7834 Check: 616

CGTCTGAAGG TCACGAGCCC CGCCGACAGC CCAGACCCAG TCCGGGCTAG CCGGAGGCCT 60  
 CCCTGGAGGT GGACGGTTTC AGTCCACACA TACTGGGACC CCAGGGAGAC ACTCACCAGC 120  
 ATCCGAGCCT GCCATGTTTC AGAGGCAGGT CGCCGCGCGA CTCCGACCGG GCCGGGAAGG 180  
 CGACGGTSTC CTGGAAGGAC CGATCCACGC AGACCGACAC TGGGCGCGGA CGCAOGAACC 240  
 AAAGCGCGGG AAGGAGGCGT GAAGAAGGAC GGACGTTAAA GAGCTTCTCG CCGCTGATTG 300  
 GTCATCAGAG GAGCACTTCC TTCACAGGAC GTGAAACGGG GCGGGTTTGG GAAGTTTAGA 360  
 GACCATTCTC CGCCGACCAA AACCCGTCAA AGGATTATCA GACACGCGGG TCGGACGGTC 420  
 CACATCAGCC GGCAGCCCCG GCGGGTCCCG GGGTGCAGC AGCGCACTTC CCGTGAGCTA 480  
 TTTGTTTTG TATCCCTCCG CCGACGTCAA CGGGAAAGTA GTGCGGACCG CTCTCTCGGT 540  
 GGTCCGGGGT GGTACAGCCA CGTGACAACG CCAGGCCCCG COTTTCCCCCT CTTTTGTTA 600  
 CAGACGTGAG GGCTCTTTGG AGACGTAAAC ATCTCCGAGT GGCGAGGGTG GCGGGGGCTA 660  
 GGGCTTGGGA AAGGGCGGGG TGGCTTGCTT GAGGTGTGGA AAGACCAGAA GAAGGTGAGG 720  
 TCAAGAGAGT GCGAATGAGG CATTCCAATG GTGGGTGGSC CCTGACCTGA GAGAGTGGCG 780  
 CGGGGAGGGG TGAAGCGCG GCGATCCTGG AACGCCAGCG GGCGTTGCGG CCTATGCGCG 840  
 AGGGGCGGGG CGATTAGGTC ATAGAGCGGC TCCCAGCGTT CCCTGCGGCG TAGGAGGCGG 900  
 TCCAGACTAC AAAAGCGGCT GCCGGAAAGC GGCCGGCACC TCATTCAATT CTACCGGTCT 960  
 CTAGTAGTGC AGCTTCGGCT GGTGTCTATG GTGTCTTCC TCCGCTGCCG CCCCCGCAAG1020  
 GCTTCGCCGT CATCGAGGCC ATTTCCAGCG ACTTGTGCGA CGCTTTTCTA TATACTTCGT1080  
 TCCCCGCCAA CCGCAACCAT TGACGCCATG TCGGGTTATT CGAGTGACCG AGACCGCGGC1140  
 CGGGACCGAG GGTATTTCGA GTGACCGAGA CCGCGGCCAC CGAGGGTGAG TTTGGGAGCC1200  
 GAGCTGTCTAG GCCAGGCGGG TGGGGGGATG GGAGGGCGGG TCAGGGTGCG GCGCGCGGG1260  
 GGCTTTGCGG CTTGGACTTG GCCTTTCCGG GCTATCTTGG GACTTCCTTT CCCGAACGTT1320  
 GCGCCATTTT GATATTACAG TCACAGTGAT TGAAGAGAT TTGACGGTGT AGTGTCTTCA1380  
 AGCTTGCTTT TTGTGTGGGG ATTTGGGGAG CTGTGCGGGC GGCTGCCATT TGGTAGCTGT1440  
 TGAGGGAGTT GAGAGGGAGC GTATTGTGCG GATGAAAGCG GACGCTTCGA GGCATGACGA1500  
 AGGAACATCT GTTAGGTGCG GCGTTTCGGT AGGTGTTTTT GGGGTGGCCG GGCATTCTGT1560  
 GGGAGCGAGG GGACCACTTC CAAAGCCCTG GTGCTGTTGG GGTAGGAGGG CGGCCGGCAT1620  
 CAGCCATGTG GCTGAGTCCG GAGTACAAAA TGCCCGCCTC GGACATGGCG GCGGCGCCTT1680  
 TGTTACCCCG CCGGCGCGAG GAGCTCAAAA TGGCAGCGTC GAGAAAATGT GGCGCAGAGA1740  
 GAAATGCGAG ACAAAGGGGG AAGCGCCGCC CCAGCGGGAA CCGCGGCCG CCGACTCCGC1800  
 CCGGGCCGGG ACTCCTCCCC CGGTAGTCCG CCGGAGCTCT ACCGCGGCGT TCCCCAGCT GGGTTTGCTA1920  
 TATAATTTTG ATTCGTTGAT CCGGAGCTCT ACCGCGGCGT TCCCCAGCT GGGTTTGCTA1920  
 GCAGAAGTGT TTCTGAGAAA ACCCTTGTTT TGTATCGCT GACTGTACTG TTTAGGTTCT1980  
 TACCATCAAA GCTGTTTGGT TCCAAAACGG CCATATGAGT AACATCGTCG TGATGCTCTT2040  
 CGGTTTATGT AGCCTTGTTA TTGCTGATAG TGAATTGCTA GGCTGGTGGG GAAGATTACA2100  
 GTAACCACAA GAAGTGGTGT GTGCCAGAA CCCAAATCTT GGCATGTGGG TGACAAGTTT2160  
 CCGACATGAT AAATCCCCG CTCCCGACAT GATAAATCCC AGGCTGTTTA CATGACCTAA2220

151

GTAATGTGTA CTTGGGACTA CGGGAAATGT TAACTGTGGC TGTTGAGAGA GAGAGAGATT2280  
TTCACGAAGG ACAGTGCTAG GTTTACCTCT CGAAGTCTGT TTTTCAGTGGT TTTTAGCTTG2340  
TGCCAATGGA TGACAAATCT ATACAGAAAC CTGGGTATAG CCTAAGAAA ATGTGAATAA2400  
CGTTTTTTTT CATTCCAGGT TTGGTGCACC TCGATTTGGA GGAAGTAGGG CAGGGCCCTT2460  
ATCTGGAAAG AAGTTTGGAA ACCCTGGGGA GAAATTAGTT AAAAGAAGT GGAATCTTGA2520  
TGAGCTGCOO AAATTTGAGA AGAATTTTTC TCAAGAGCAC CCTGATTTGG CTAGGCGCAC2580  
AGCAGTGAGT AAATTCATGT GGCTTCATCA GGCTGTAACT CGATCGTGA TTCTAGTAAA2640  
TGAAATTCGT ACAGGTGTTT TGCAATAAAC TCAATTTTGG TAGAGTTACA TGTTCTGACT2700  
TCATAATTGG GAAAGGTGTG ACTCACTTTT GGAATATAGG TGGCTTTGGG ATTTTACTT2760  
AAATTAGGTT GAGTATAACA AGAAATTTT TTTTCATAAT AGGGTGTTC TAGGTGGGTC2820  
AGATTAAAA GAAGGCTACT TTAAGTAGTT ACTAAATTAT GAAGTTAGGG GCTTATCAAT2880  
TACGTATTTA CGTAGGGTGG TGTCATGAAT TTAGACTGTA TATTGTTTGC AGCAAGAGGT2940  
GGAAACATAC AGAAGAAGCA AGGAAATTAC AGTTAGAGGT CACAACTGCC CGAAGCCAGT3000  
TCTAAATTTT TATGAAGCCA ATTTCCCTGG TAAGTGCTAC TTTTCAGTTC TACCTACCCG3060  
TGTTTTTGT TCCACCTACC CCTCTTTTT CTGCGCATCA CTAATTTTTC CTAAATATCT3120  
GTTACTAATT ATAGCAAAATG TCATGGATGT TATTGCAAGA CAGAATTTCA CTGAACCCAC3180  
TGCTATTCAA GCTCAGGGAT GGCCAGTTGC TCTAAGTGA TTGGATATGG TTGGAGTGGC3240  
ACAGACTGGA TCTGGGAAAA CATTGTCTGT AAGTTTGGGA GAACTCTTGA GTTGATCTGA3300  
TATATGCAAG AAAATGTAAT GGTAATTTAA AAACGAGTAT TTTAATGTGA TTTCTGTTT3360  
TCCCCACTTT CACCCTAAAT AGTATTTGCT TCCTGCCATT GTCCACATCA ATCATCAGCC3420  
ATTCTAGAG AGAGGCGATG GGCCTATTGT AAGTATATAT TTTACTTTTA TTAGAAGCAT3480  
AATGTGTAGA TTTTAGACTA CATAGCTAAA GATGTAATCA TTTGTGGTGG TTTTATATAG3540  
AGGTTAGCTC ATCCTATTCA GCTGGAGCTG TTTTGGGTAT TGGACAACAC ATGAAGAAAG3600  
GATCTGCTAG TATAATAAGT TAGCAGTTTA AAAGTAGTAC CAGGTTTGTG CTGAAAGCTG3660  
TTTCTCTTTT CCTTAGTGTG TGGTGTGGC ACCAACTCGG GAACTGGCCC AACAGGTGCA3720  
GCAAGTAGCT GCTGAATATT GTAGAGCATG TCGCTTGAAG TCTACTTGTA TCTACGGTGG3780  
TGCTCCTAAG GGACCAAAA TACGTGATTT GGAGAGAGGT ATGTAATGAA AAGGGTTTAA3840  
TTGTCTATTG GTGCTAAATA TCCTAGGTAT TGAGTTACA CTTACGTATT TAATTAAAGG3900  
TGTTGAAAATC TGTATTGCAA CACCTGGAAG ACTGATTGAC TTTTLAGAGT GTGAAAAAC3960  
CAATCTGAGA AGAACAACCT ACCTTGTCCT TGATGAAGCA GATAGAATGC TTGATATGGG4020  
CTTGAACCC CAAATAAGGA AGATTGTGGA TCAATAAGA GTAAGTGTCC TTTGAAATAT4080  
GTGATCAAAAC TGAATTGTGT TTCACTCTTA AGAGTCTGAT ACTAATTTTT CCCCCAAAA4140  
TCCATTAGCC TGATAGGCAA ACTCTAATGT GGAGTGGCAG TTGGCCAAAA GAAGTAAGAC4200  
AGCTTGCTGA AGATTTCCCTG AAAGACTATA TTCATATAAA CATTGGGTGCA CTTGAAGTGA4260  
GTGCAACCA CAACATTTCT CAGATTGTGG ATGTGTGTCA TGACGTAGAA AAGGATGAAA4320  
AGTAAGTTTT ATTAACTCTG TTATATTTGC TTCCTAACAA CTTTGCTGTA AAATTGAGGA4380  
TCATTGTTTT GTGAGTTGTT TTAGGTTAAT TCAGTTGGTG TGATTTTATT TAGTTAGCCT4440  
ACTAATCCTG AAAATTTCTT GAATCTTCAA ATAATGGCCG TCACCATTTA TAGCTTTCCA4500  
TATGAAGAAT TGAATTCATG TCTCCCTGGT TGACTTAAGG ACCAAGGGTC GAACTGCTCG4560  
ATAAGTGGAT TAGCAGGCGT CTTCTTCCCT TTTGACCTTT CCAGCCATGT AAATTGAAT4620  
TAATGTTTTG CTGACCATAA ATGTGTGGCC CTAGCAATGG TCTTTTAAAA CTCAGGATTT4680  
TCCTTTCTCT CTCCTATTAT TAGACTTATT CGTCTAATGG AAGAGATCAT GAGTGAGAAG4740  
GAGAATAAAA CCATTGTTTT TGTGGAACCC AAAAGAAGAT GTGATGAGCT TACCAGAAAA4800  
ATGAGGAGAG ATGGGTATGT GTGAGCTCCT CCTTGAAGCA GATTGATTAA AACAGCTTAG4860  
GAAGGGCAAA CTTGGATCAC GAGCAGTGGA TTTTTTTCAT ATCTGATAGT GAATTTAACT4920  
TTTTCATTTT TGGCGAAATT AAAGAGATCT GTGACCAAAA GTGGTCAAGC ACTGGAGTCT4980  
GAGGTTTTCA ATGTGAGTTT AATAACACAA CTTGTCTTTT AACTTAGGTG GCCTGCCATG5040  
GGTATCCATG GTGACAAGAG TCAACAAGAG CGTGAAGTGG TTCTAAATGG TAAATATTT5100  
AAATGAAGTA TTTTCCCCC TTACTTAACC TAGCTAGAAT TCAACATGG AAAAGCTCCT5160  
ATTCTGATTG CTACAGATGT GGCCTCCAGA GGGCTAGGTT AGTACAACT CGCATTCTAG5220  
GCTTGGTTTT CCAGAAGATC TCCATTTAAC TTTTTTAAAG AAAGTTTATT GCTTTCTTTA5280  
ACCTGCATTT TTTCTAAGTT TTTTTTCACA TAAAGGTGCT GTCTTTGTGG CAAGGCCTAG5340  
GCATGACAAT CGGAGGACTC GAGGGGGATG GAGGACTAGT GATCGGCTGG CTGCTCCAG5400  
TCGATTAGAG AGGTGAAAAG CTGAACGTGT GCCAGTAATC TTCAAAAGGC AGAACATATC5460  
ACCTCTGCCC CGTAAACTGT TCTCTCCGAG GGAAAAAATG GAAGTTATCT CACAGTTTAC5520  
TGCCGTGGTA TTTCTTCTGT CCCATGCTTT GCATGACTGC CATGGTACAG CCTTGTTCAS5580  
AACTGTTTAC TGTGATCTGT GGGTCTTTGA GTTTTCACTGA GTTTGCTGAA ATGTCGAAGA5640  
AGTAGTTCCA AACTTCAATG TTCAATGAAA TTTTGTGTTA AGTTTGAAAT GGAGAGAGCA5700  
GCTTTTAAAG GTACTAAGCC TTTTACAAAT TGGTGAGTTA CTGGCACATG AGATCTAGAG5760  
CAGGAGCAAC TTCTACACAC TATGAGTAAG TGGGAAAAGA AAGTGCTTTG AAAGTTCTCT5820  
CCTCACCTAC ACAGTAGTCG TCATGTGAG ACCTGCCAGA GAGAGACACA TTCTCAAGTG5880  
AATCCTGGCT TCTTGAAGC GCTTGCTAG ACGAGACACA GTGCATAAAA ACAACTTTTG5940  
GGGGACAGGT ATGTTTTCTT GCAGCTGCGG TTGTAAGGTC TTGGCAAGAC AAGCAGTGTG6000



152

GCCAGAATTT TGAACCTCTG ATGAATGTGT AATGCAAAGG ACCTTGTTACA TTTTTTTGTT6060  
TCAAGGTCCT CAAAATGAGC ACATGAAGAG GTTGCTGTGA AACTTTAAGT GGCCCTACTG6120  
CGCAGAAGCA TTCAGATGTC ACTTGATGAT CTGTAAGGGA ACTTGCTGAT TTGGGAATGT6180  
GCTTATTTAA CACACATTCC TTTTGACAGG GTCTGTCACT GGGGTGGGGG TGATGAATTA6240  
TACAGATGAC ATGTGCTTTT TTTTCTTTT TTCAACCTCA ATGGTATTCC TACAGGAAAT6300  
GGATAACCAT TTTAACTGTA TTTTTTTGCA GCGCGTACCT TCTTGGGAAT ACAATTGTCT6360  
AACTTTTTAT TTTTGGTCTG GCTGTTGTGG TGTGCAAAAC TCCGTACATT GCTATTTTGC6420  
CACACTGCAA CACCTTACAG ATGTGGAAGA TGTGAAATTT GTCATCAATT ATGACTACCC6480  
TAACTCCTCA GAGGATTATA TTCATCGAAT TGGAAGAAGT GCTCGCAGTA CCAAAACAGG6540  
CACAGCATAC ACTTTCTTTA CACCTAATAA CATAAAGCAA GTGAGCGACC TTATCTCTGT6600  
GCTTCSTGAA GCTAATCAAG CAATTAATCC CAAGTTGCTT CAGTTGGTCTG AAGACAGAGG6660  
TTCAGGTAAG GATGACTGAT AGGAAATGTT GGTAGTTACG GTCACCTACG ATACAAATCC6720  
ATTTAAATGG TATTGGAGGG TGAGTAAAC CTTGAAGTGA AAACCTTAAGC TGAAAAATTT6780  
TAAAAACATT TCACGCTTAC CATGAATAGA TCTGTTTCTT CTGTCCACAA TGATTTGTGT6840  
CATAGACATA ATTGATCAAT TTGCAATTGT TTTCTTGACA GGTGCTTCCA GGGGTAGAGG6900  
AGGCATGAAG GATGACCGTC GGGACAGATA CTCTGCGGGC AAAAGGGGTG GATTTAATAC6960  
CTTTAGAGAC AGGGAAATTT ATGACAGAGG TTACTCTAGC CTGCTTAAAA GAGATTTTGG7020  
GGCAAAAACCT CAGAAATGGT TTTACAGTGC TGCAAAATAC ACCAATGGGA GCTTTGGAAG7080  
TAATTTTGTG TCTGCTGGTA TACAGACCAG TTTTAGGACT GGTAATCCAA CAGGGACTTA7140  
CCAGAATGGT TATGATAGCA CTCAGCAATA CGGAAGTAAT GTTCCAAATA TGCACAATGG7200  
TATGAACCAA CAGGCATATG CATATCCTGC TACTGCAGCT GCACCTATGA TTGGTTATCC7260  
AATGCCAACA GGATATTTCC AATAAGACTT TAGAAGTATA TGTAATATGT TGTTTTTCAT7320  
AATTGCTCTT TATATTGTGT GTTATCTGAC AAGATAGTTA TTTAAGAAAC ATGGGAATTG7380  
CAGAAATGAC TGCAGTGCAG CAGTAATTAT GGTGCACTTT TCCGCTATTT AAGTTGGATA7440  
TTTCTCTACA TTCCTGAAAC AATTTTTTAGG TTTTTTTTGT ACTAGAAAAT GCAGGCAGTG7500  
TTTTACAAA AGTAAATGTA CAGTGATTTG AAATACAATA AATGAAGGCA ATGCATGGCC7560  
TTCCATAAAA AAATATTTGA AGACTGAATT AAGTGGAAT TGTACTTTAT TTATATAATG7620  
TCATGTAAAA CTTTGCTTAA GATGGTCTGG TTTTTTTTTT GTTTTTGTGT GGTTTTTTTT7680  
TTCCATGAAA ACBAATGACT GTTCCTTTTT ATTTAATTG GGAGGCAGGG GGAATCAGAA7740  
GGCCCTTCTT TATAATGAGC TATTCATATT GCAGGAGTCA GAATGAATTG ATACAGGTGA7800  
ATTTTTAGTT ACAGGCTAAA TTGCATAAAA GCTT 7834

Name: 256

Len: 903 Check:

215E

CGGCGGCGGC GACAGGACCG AGGGGCCCTTA GTTGGTGGGC AAGTCGGGGG TCCCAGAAAG 60  
AGAAGCGTGA CCCGGAAGCG GAAACGGGTG TCCGTCCCAG CTCCGGCCCTG CCAGTGAGCT120  
TCTACCATCA TGGACCTATT GTTCGGGCGC CGGAAGACGC CAGAGGAGCT ACTGCGGCAG180  
AACCAGAGGG CCCTGAACCG TGCCATGCGG GAGCTGGACC GCGAGCGACA GAAACTAGAG240  
ACCCAGGAGA AGAAAATCAT TGCAGACATT AAGAAGATGG CCAAGCAAGG CCAGATGGAT300  
GCTGTTGCGA TCATGGCAAA AGACTTGGTG CGCACCCGGC GTTATGTGCG CAAGTTTGT360  
TTGATGCGGG CCAACATCCA GGCTGTGTC CTCAAGATCC AGACACTCAA GTCCAACAAC420  
TCGATGGCAC AAGCCATGAA GGGTGTGACC AAGGCCATGG GCACCATGAA CAGACAGCTG480  
AAGTTGCCCC AGATCCAGAA GATCATGATG GAGTTTGAGC GGCAGGCAGA GATCATGGAT540  
ATGAAGGAGG AGATGATGAA TGATGCCATT GATGATGCCA TGGGTGATGA GGAAGATGAA600  
GAGGAGAGTG ATGCTGTGGT GTCCCAGGTT CTGGATGAGC TGGGACTTAG CCTAACAGAT660  
GAGCTGTGCA ACCTCCCTTC AACTGGGGGC TCGCTTAGTG TGGCTGCTGG TGGGAAAAAA720  
GCAGAGGCCG CAGCCTCAGC CCTAGCTGAT GCTGATGCAG ACCTGGAGGA ACGGCTTAAG780  
AACCTGCGGA GGGACTGAGT GCCCCTGCCA CTCCGAGATA ACCAGTGGAT GCCCAGGATC840  
TTTTACCACA ACCCTCTGT AATAAAAGAG ATTTGACACT AAAAAAAAAA AAAAAAAAAA900  
AAA

Name: 257

Len: 1860 Check:

DF4

CGTGAACGGT CGTTGCAGAG ATTGCGGGCG GCTGAGACGC CGCCTGCCTG GCACCTAGGA 60  
GCGCAGCGGA GCCCCGACAC CGCCGCCGCG GCCATGGAGT CCGAGACCGA ACCCGAGCCC 120  
GTCACGCTCC TGGTGAAGAG CCCCACCGAG CGCCACCGCG ACTTGGAGCT GAGTGGCGAC 180  
CGCGGCTGGA GTGTGGGCCA CCTCAAGGCC CACCTGAGCC GCGTCTACCC CGAGCGTCCG 240  
CGTCCAGAGG ACCAGAGGTT AATTTATTCT GGGAAAGCTGT TGTTGGATCA CCAATGTCTC 300  
AGGGACTTGC TTCCAAAGCA GGAAAAACGG CATGTTTTGC ATCTGGTGTG CAATGTGAAG 360  
AGTCCCTCAA AAATGCCAGA AATCAACGCC AAGGTGGCTG AATCCACAGA GGAGCCTGCT 420  
GGTTCTAATC GGGGACAGTA TCCTGAGGAT TCCTCAAGTG ATGGTTTAAG GCAAAGGGAA 480  
GTTCTTCGGA ACCTTTCTTC CCCTGGATGG GAAAACATCT CAAGGCCTGA AGCTGCCCAG 540  
CAGGCATTCC AAGGCCTGGG TCCTGGTTTC TCCGGTTACA CACCCTATGG GTGCTTCAG 600  
CTTTCCTGGT TCCAGCAGAT ATATGCACGA CAGTACTACA TGCAATATTT AGCAGCCACT 660  
GCTGCATCAG GGGCTTTTGT TCCACCACCA AGTGCACAG AGATACCTGT GGTCTCTGCA 720  
CCTGCTCCAG CCCCTATTCA CAACCAAGTT CCAGCTGAAA ACCAGCCTGC CAATCAGAA 780  
GCTGCTCCTC AAGTGGTTGT TAATCCTGGA GCCAATCAAA ATTTGCGGAT GAATGCACAA 840



153

GGTGGCCCTA TTGTGGAAGA AGATGATGAA ATAAATCGAG ATTGGTTGGA TTGGACCTAT 900  
TCAGCAGCTA CATTCTCTGT TTTTCTCAGT ATCCTCTACT TCTACTCCTC CCTGAGCAGA 960  
TTCCTCATGG TCATGGGGGG CACCGTTGTT ATGTACCTGC ATCACGTTGG GTGGTTTCCA1020  
TTTAGACCGA GGCCGGTTCA GAACTTCCCA AATGATGGTC CTCCTCCTGA CGTTGTAAAT1080  
CAGGACCCCA ACAATPACTT ACAGGAAGGC ACTGATCCTG AAACCTGAAGA CCCCACCAC1140  
CTCCCTCCAG ACAGGGATGT ACTAGATGGC GAGCAGACCA GCCCCCTCTT TATGAGCACA1200  
GCATGGCTTG TCTTCAAGAC TTCTTTTGGC TCTCTTCTTC CAGAAGGCC CCCAGCCATC1260  
GCAAACTGAT GGTGTTTGTG CTGTAGCTGT TGGAGGCTTT GACAGGAATG GACTGGATCA1320  
CCTGACTCCA GCTAGATTGC CTCTCCTGGA CATGGCAATG ATGAGTTTTT AAAAAACAGT1380  
GTGGATGATG ATATGCTTTT GTGAGCAAGC AAAAGCAGAA ACGTGAAGCC GTGATACAAA1440  
TTGGTGAACA AAAAATGCCC AAGGCTTCTC ATGTGTTTAT TCTGAAGAGC TTTAATATAT1500  
ACTCTATGTA GTTTAATAAG CACTGTACGT AGAAGGCCTT AGGTGTTGCA TGTCTATGCT1560  
TGAGGAACCTT TTCCAATGT GTGTGTCTGC ATGTGTGTTT GTACATAGAA GTCATAGATG1620  
CAGAAGTGGT TCTGCTGGTA AGATTTGATT CCTGTTGGAA TGTTTAAAT ACATAAGTG1680  
TACTACTTTA TATAATCAAT GAAATTGCTA GACATGTTTT AGCAGGACTT TTCTAGGAAA1740  
GACTTATGTA TAATTGCTTT TTAATAATGCA GTGCTTTACT TTAAACTAAG GGGAACTTTG1800  
CGGAGGTGAA AACCTTTGCT GGGTTTTCTG TTCAATAAAG TTTTACTATG AATGACCTG1860

Name: 258

Len: 5350

Check:

199C

TTTATTGAAC ATTTATTCTG TTCAAAACAT TCCCAAAGGC AACAGAAGAT ACAAATAAAT 60  
CTCTGCCCAT GAAAAGGTGT GGGGGGCATT AGAAGGCGTT CTCTCGGTG TAATGAAGTA 120  
ATGAGAGAAG AAAAGTAGT TTGAAGCTAT GGAGTAAGGG ACTTTGAGTA TCCCAGGCTC 180  
AAAAAGTTGG GACTTGAACA GTACGGGGGT GCTGCTGAAA ACGTTTGAGG GAGGTAATGA 240  
CATGATCGAA GCTATACTTG AGAAAGGTGA ATCTGATAAA GTATGAGTGA AAAAGAGACT 300  
GAAGGTCTAG AAATTAGATT GAGGCTAATG ACAAATCCA CATAAATAGG AGGACTTGAA 360  
CGAAGGGGCA CTTAGAAGAG GACAGGAGAT AGTAAAAGGC ATTCAATGAT GAGAGCACAC 420  
ACTACAGGGG AGCATGAGGG AGGTTGGAAA AGATAATGAA AGGATTACCG AGCTTCACG 480  
ACGATGTGTT TGAAATGAGC AGGAATCTTG TAGTGATCCT AATCCGTGGT TTTCTGGAGC 540  
ATTTACAGC CTAGGAACAT ACAAGGGGGG CATCTCCCTG GAATGTAAAT TGACTAAGAG 600  
GAATTCAATA ATGGTCAAAT GAATGCAGAA TTTTAGAGTC TTGCTTAGTA TTCTCACCAC 660  
ATTTCTGTTT GTCTACTCAT ACTCTTTTTC TCTTACTGCT GACACTAGAT GGAAAACTC 720  
TTAATTAAAA GTATTTTACA AAATGTGCTC GTTTTCAGTC ATTCCGTTTC CACTCCAGCC 780  
TGTTGTGTTG TTTTTTTGAA ATAATAATTT AAAGTAATTT TCCTTTTGCA GGATGGCATA 840  
GTCAATCCAA CAATAAGAAA AGATTTGAAA ACTGGACCGA AATTCTACTG CTGTCCAAT 900  
GAAGGCTGCC CCAGAGGGCC TGAGAGACCG TTTTCTCAGT TTTCTCTCGT AAAACAGCAC 960  
TTTATGAAAA TGCATGCTGA GAAGAAGCAC AAATGTAGTA AGTGCAGCAA TTCGTACGGT1020  
ACAGAATGGG ACCTGAAAAG ACATGCAGAG GACTGTGGCA AGACCTCCG GTGCACATGC1080  
GGCTGTCCCT ACGCCAGTAG AACAGCACTG CAGTCTCACA TCTACCGAAC TGGGCACGAG1140  
ATACCTGCAG AACACAGGGA CCCACCTAGT AAGAAAAGGA AAATGGAAAA CTGTGCACAA1200  
AACCAGAAGT TATCCAACAA GACCATTGAA TCATTGAACA ACCAACCAAT CCCTAGACCA1260  
GACACTCAAG AACTAGAAGC TTCAGAAATA AAGCTAGAAC CATCTTTTGA AGACTCTTGT1320  
GGCTCTAACA CTGACAAGCA GACTCTTACA ACACCACCGA GATATCCTCA GAAGTTGCTT1380  
TTACCAAAGC CCAAAGTGGC TTTGGTTAAA CTACCCGTGA TGCAGTTTTC TGTCTATGCT1440  
GTCTTTGTGC CTACAGCCGA CTCCTCAGCC CAGCCTGTGG TGTTAGGTGT TGATCAGGGC1500  
TCTGCCACAG GGGCTGTGCA CTTAATGCCC TTGTCACTAG GAACCTGAT CCTCGGCCA1560  
GATTCAAGG CTTGCTCTCT TAAGGAGAGC CTACCTCTTT TCAAAATTGC TAATCCTATT1620  
GCTGGTGAGC CAATAAGTAC TGGTGTTCAA GTGAACCTTG GTAAAGTCC ATCTAATCCT1680  
TTACAAGAAC TAGGGAACAC GTGTCAAAAG AATAGCATT CTTCATCAA CGTGACAGAC1740  
GATCTGTCTT ATGCCTCACA AAACCTTATA CTTTCTGCAC AGTGGGCCAC TGCTGATTCC1800  
TCTGTGTCST CTGTGTTCTA AACTGATTG TCGTTTGATT CTCAAGTGTC TCTTCCCAT1860  
AGTGTTTACA CTCAGACATT TTTGCCAGC TCTAAGGTAA CTTTATCTAT AGCTGCTCAG1920  
ACTGATGCAT TTATGGACAC CTGTTTCCAG TCAGGTGGGG TCTCCAGAGA AACTCAAACC1980  
AGTGGGATAG AAAGTCCAAC GGATGACCAT ATGTTTGCTA CAGGTAACAT TATAAGCAAC2100  
GACATTTTTG AGAGTGTTCA TTATCATAT AATGTTGCTA AGAATGAGCC TAAGACTTTA2160  
AGTTTAGTAG CAGAGACAGT AACTCATAGT TTGTTACCTC AGAATGAGCC TAGTATGCTT2220  
AATCAAGATA TTGAGAAPTC TGCACCAATT ATAAATTCA GTGCACAGAA TGATTTGGAA2280  
CCTTCACAGA ACATGACAGA TAATCAGACC CAAACCATAG ATTTATTAAG TGATTTGGAA2340  
AACATCTTGT CAAGTAATCT GCCTGCCAG ACATTGGATC ATCGTAGTCT TTTGTCTGAC2400  
ACAAATCCTG GACCTGACAC CCAGCTCCCA TCTGGCCAG CCCAGAACCC CGGAATCGAT2460  
TTTGATATCG AAGAGTTCTT TTCGGCCTCA AATATCCAGA CTCAAAGTGA AGAGAGTGAA2520  
CTTAGCACCA TGACCACCGA GCCAGTCTTG GAGTCACTGG ACATAGAGAC TCAAACGGAC2580  
TTCTTACTCG CAGATACCTC TGCTCAGTCC TATGGGTGTA GGGGAAATTC TAACCTCTTA2640  
GGCCTTGAGA TGTTTGACAC ACAGACACAG ACAGACTTAA ACTTTTCTT AGACAGTAGC2700  
CCTCATCTGC CTCTGGGAAG TATTCTGAAA CACTCCAGCT TTTCCGTGAG TACTGATTCA2700

154

TCTGACACAG AGACCCAAAC TGAAGGAGTC TCCACTGCTA AAAATATACC TGCTCTAGAA2760  
 AGCAAAGTTC AGTTGAACAG TACAGAAACA CAGACCATGA GTTCTGGGTT TGAAPCCCTG2820  
 GGGAGCTTGT TCTTCACCAG CAACGAAACT CAGACAGCAA TGGATGACTT TCTTCTGGCT2890  
 GATCTGGCCTT GGAACACGAT GGAGTCTCAG TTCAGCTCTG TAGAAACCCA GACTTCTGCG2940  
 GAACCACACA CAGTCTCCAA CTTCTAAAAC TAACGGTGGA GTCCATGTGT GAAATGGCAT3000  
 CTACCATTTT CTCTGGATTA AACTACCGA CTGGGGACAA CAGTATTAAT TCGATTGAAT3060  
 GTGGCTGATG ATGCAGTTGC TTAGCTTCTT TGTGTTTCTT TGCCTTTTGT ACTTGTAAAC3120  
 AGAAATTTGC GTATAAATGT GAGTGTATTA TAAAGTTTGA GATGTTGATC TAAATTGTTT3180  
 TTGTGTTGCC TACATTTGCC TTTTCACAGC TAGTCTTTTC ATGTTAAAAA AAAAATGTAT3240  
 TTCATATCTA TAAAACCTAT ATAGCCATTT AGCTGAAGCC CAGCTTACCA GGTTCAGGG3300  
 TACAACTTC TCAAATCTTC AAAACATTTT AGTCAAAGTG TAATATACTT AAAGTGCACC3360  
 TAAAATATCT TTGGCACTGC TTGTAGAAA TTCCTGATTC CTGTTACTAA TCACTAAAGA3420  
 AACCAGGATGC TGCCACCGTA GGATTTAAGC AGTAGTGCTT CCATGCTCTT AAGACTCCTG3480  
 CTGCCTGGAC CTTCTGTCAGC TTTGACACCT CTTTTCTGAT TTAAAGACAC CAAGGAAAAC3540  
 TACAAGTGT TTTAGCTTTG AAGCAGTTT CATGTAATCA TTGCCACCTC TTCGCTACAT3600  
 GAAGTACTAT TGATACCAGC ATACAAGTGT ATAGCACTTT ACACACAAGA GGTTTATTGA3660  
 TGTAATAATTA TCGGCTAGGG AAGCAGCAGC GGGCCAGGTG TGGTGGCTTA CCCCTGTAAT3720  
 CCCAGCACTT TGGGAGGCCA AAGCAGGAGC ATCACTTGAG CCCAGGAGTT CAACACCAGC3780  
 TTGGGCAACA TAAGAGAGCC GTGTCTCTGG AATTTTTTTT TTTTTTAATT AGCCAGGCAC3840  
 AGTGGCATGC GCCTGTGATC CCAGCTACTT GGAAGGCTGA GGTGAGAGGA TCACTCGAGG3900  
 AGATTGGGGC TGCCATGAGC CATGGTCTTG GCAGTGTACT CCAACCTGGG TAACAGGGCA3960  
 AGACCCTATC TCAAAAAAAA AAAAAAAGT CGCCAGCAAC AAGCACGTAG TGTAGTGTTC4020  
 CTGCTAAATG AGCATAGGTT ATCCAAACCT TGGGAACAGG GAGTTATGGA AACGTGCCTA4080  
 TGACTTCATC TTGGGGTGTG TCCTATGAAG ATCCTTTCTG GTCTCCACAG TAGGCCAGAG4140  
 TTGGGGGCTC TGGAGCTGTT TCCCCAAGTG CATCCACAAG CTGGATCTGA GTTTTGTAC4200  
 TCTAAAATTA AACAAGAAAA AAAGTGGGAA AAGGGCATCC CCCATTAGGT TTCAATACTT4260  
 TGCATTTCTA CTAAGCTTGA TAGGGCAGGA GTGCAATCTA CAATTATTTT AAAGTGAATT4320  
 TCCTTCCATT CACCATTCTT TATCTTTTCT TTGAATAAGA AAAAGTATCT AGCAAGGATA4380  
 TTACTTGTGC CTTGAGGCTA GCAATTATAG GATAGATTCA TCTAAAAATAT GGTATTCTGC4440  
 ATTTTGGTTT TTTTCTTAA GTGAATAATA CCAGTCTTCA AAGAAAACAA GGTGAAGACC4500  
 TATTGCTTCA ATAATCAAGA ATGCTTTGTG TGTTTTGAGG TAGGAGCATG ATCAAGTATG4560  
 CTTTGGGGAT TTTCTGTATT TAGGAGATCC TGGATTCTTA ATTGTTGGCT AAGTTCAGT4620  
 CAAGTAGGAA TCAGTGCAGC CTGTAAGTTC TCCACATTGA CACACACACA CACACACACA4680  
 CACACACACA CACACGACAT GCTCCTTTCT GTGGCACATG CCTGTATTAC TGAAAGCTAA4740  
 ATCCTCAAAA CCTAGTAAGG GGACCAATGA TTCATTAAAG TAAATTGATG GTTTTGTAC4800  
 TAATTCCTAT CCCATACATT TGACACAAAA GAAGTGTGG TAATGGATAA ATAACATATC4860  
 CCGGGCAGAT GAGCTCAACC TAGTAGGTAA GAGTTTGGT TGGTCACAGT TGCCTATGAG4920  
 TGTGGGTTTC AAAAGAAACA TAAAGCCTTA ACTTAGAATT TCATTATGTT TTAGAATCAT4980  
 CACTGCCTTA ATATTCAAGC ATCTATTTAA GTCCTAATAA AGGAGAAATG CATGTTTATG5040  
 GCTTTTTTGT AAAATATAAAT GCAGTGATCT ATGGCTTAAA AAATTTGTTT CTGTGACAA5100  
 GTTTGTAAAT CTAGCCAATA GAGTCATTTA CAGAAGAAAA ATGAGCATGT AATAATACAA5160  
 GAACTGTTTC CCCCTCAAAA CCTGAACCTG AATTATTTGT AAAAAGTAA ATTTAATGAT5220  
 TAAAGAGAAG CCAGAATTGT ACCCTTTTTT GTGAATTCTT GAACGTACTC ATAAATATGA5280  
 CTTATTGTAT TGCCTTAAGT TTTCACTCAT TGTCTTTTGA AAGCCATATG ATAAATGAT5340  
 TTTATTTAAT 5350

Name: 259 Len: 3497 Check: 233D  
 CTGTGGGATC AGAGGGGCAG CCTATTACAA CCAGAAAAC ACAAATATAA CAGCGAGGAT 60  
 GGATGAACAG GCTCTATTAG GGCTAAATCC AAATGCTGAT TCAGACTTTA GACAAAGGGC 120  
 CCTGGCCTAT TTTGAGCAGT TAAAAATTTT CCCAGATGCC TGGCAGGTGT GTGCAGAAGC 180  
 TCTAGCCCAG AGGACATACA GTGATGATCA TGTGAAGTTT TTCTGCTTTC AAGTACTGGA 240  
 ACATCAAGTT AAATACAAAT ACTCAGAACT AACCCTGTT CAACAACAGC TAATTAGGGA 300  
 GACGCTCATA TCATGGCTGC AAGCTCAGAT GCTGAATCCC CAACCAGAGA AGACCTTTAT 360  
 ACGAAATAAA GCCGCCCCAAG TCTTCGCCCTT GCTTTTTGTT ACAGAGTATC TCACTAAGTG 420  
 GCCCAAGTTT TTTTTTGACA TTCTCTCAGT AGTGGACCTA AATCCAAGGG GAGTAGATCT 480  
 CTACCTGCGA ATCCTCATGG CTATTGATTC AGAGTTGGTG GATCGTGATG TGGTGCATAC 540  
 ATCAGAGGAG GCTCGTAGGA ATACTCTCAT AAAAGATACC ATGAGGGGAA AGTGCATTCC 600  
 AAATCTGGTG GAATCATGGT ACCAAATATT ACAAATTTAT CAGTTTACTA ATTCTGAAGT 660  
 GACGTGTCAG TGCCTTGAAG TAGTTGGGGC TTATGTCTCT TGGATAGACT TATCCCTTAT 720  
 AGCCAATGAT AGGTTTATAA ATATGCTGCT AGGTCATATG TCAATAGAAG TTCTACGGGA 780  
 AGAAGCATGT GACTGTTTAT TTGAAGTTGT AAATAAAGGA ATGGACCCTG TTGATAAAAT 840  
 GAACTAGTG SAATCTTTGT GTCAAGTATT ACAGTCTGCT GGGTTTTTCA GCATTGACCA 900  
 GGAAGAAGAT GTTGACTTCC TGGCCAGATT TTCTAAGTTG GTAAATGGAA TGGGACAGTC 960  
 ATTGATAGTT AGTTGGAGTA AATTAATTAA GAATGGGGAT ATTAAGAATG CTCAAGAGGC1020

155

ACTACAAGCT ATTGAAACAA AAGTGGCACT GATGTTGCAG CTACTAATTC ATGAGGATGA1080  
 TGAATTTTCT TCTAATATTA TTGGATTTTG TTACGATTAT CTTTATATTT TGAAACAGCT1140  
 TACAGTGCCT TCGGATCAGC AAAAAGCTAA TGTAGAGGCA ATCATGTTGG CCGTTATGAA1200  
 AAAATTGACT TACGATGAAG AATATACTT TGAAATGAG GGTGAAGATG AAGCCATGTT1260  
 TGTAGAATAT AGAAAAACAAC TGAAGTTACT GTTGGACAGG CTTGCTCAAG TTTCACCAGA1320  
 GTTACTACTG GCCTCTGTTC GCAGAGTTTT TAGTTCTACA CTGCAGAATT GGCAGACTAC1380  
 ACGGTTTTATG GAAGTTGAAG TAGCAATAAG ATTGCTGTAT ATGTTGGCAG AAGCTCTTCC1440  
 AGTATCTCAT GGTGCTCACT TCTCAGGTGA TGTTTTCAAAA GCTAGTGCTT TGCAGGATAT1500  
 GATGCGAACT CTGGTAACAT CAGGAGTCAG TTCCTATCAG CATACATCTG TGACATTGGA1560  
 GTTCTTCGAA ACTGTTGTTA GATATGAAA GTTTTTTACA GTTGAACCTC AGCACATTCC1620  
 ATGTGTAATA ATGGCTTTCT TAGATCAGAG AGGCTGCGG CATTCAGTG CAAAAGTTCG1680  
 GAGCAGGACG GCTTACCTGT TTCTAGATT TGTCAAATCT CTCAATAAGC AAATGAATCC1740  
 TTTCAATTGAG GATAITTTGA ATAGAATACA AGATTTATTA GAGCTTTCTC CACCTGAGA1800  
 TGGCCACCAG TCCTTACTGA GCAGCGATGA TCAACTTTTT ATTTATGAGA CAGCTGGAGT1860  
 GCTGATTGTT AATAGTGAAT ATCCGGCAGA AAGGAAACAA GCCTTAATGA GGAATCTGTT1920  
 GACTCCACTA ATGGAGAAGT TTAATAATCT GTTAGAAAAG TTGATGCTGG CACAAGATGA1980  
 AGAARGGCAA GCCTCTCTAG CAGACTGTCT TAACCATGCT GTTGGATTG CAAGTCGAAC2040  
 CAGTAAAGCT TTCAGCAACA AACAGACTGT GAAACAATGT GGCTGTTCCG AAGTTTATCT2100  
 GGACTGTTTA CAGACATTCT TGCCAGCCCT CAGTTGTCCC TTACAAAAGG ATATTCTCAG2160  
 AAGTGGAGTC CGTACTTTCC TTCAATCGAAT GATTATTTGC CTGGAGGAAG AAGTTCTTCC2220  
 GTTCATTCCA TCTGCTTCAG AACATATGCT CAAAGATTGT GAAGCAAAAG ATCTCCAGGA2280  
 GTTCATTCCCT CTTATCAACC AGATTACGGC CAAATTCAG ATACAGGTAT CCCCCTTTT2340  
 ACAACAGATG TCCATGCCCC TGCTTCATGC AATTTTTGAA GTGCTGCTCC GGCCAGCAGA2400  
 AGAAAATGAC CAGTCTGCTG CTTTAGAGAA GCAGATGTTG CGGAGGAGTT ACTTTGCTTT2460  
 CCTGCAACA GTCACAGGCA GTGGGATGAG CGAAGTTATA GCAAAATCAAG GTGCAGAGAA2520  
 TGTAGAAAAG GTGTTGGTTA CTGTTATCCA AGGAGCAGTT GAATATCCAG ATCCAATTGC2580  
 ACAGAAAACA TGTTTTATCA TCCTCTCAA GTTGGTAGAA CTCTGGGGAG GTAAAGATGG2640  
 ACCAGTGGGA TTGCTGATT TTGTTTATA GCACATTGTC CCCGCATGTT TCCTAGCACC2700  
 TTTAAAACA ACCTTTGACC TGGCAGATGC ACAAACAGTA TTGGCTTTAT CTGAGTGTGC2760  
 AGTGACACTG AAAACAATTC ATCTCAAACG GGGCCAGAA TGTGTTAGT ATCTTCAACA2820  
 AGAATACTG CCGCTCTGTC AAGTAGCTCC AGAAATAATT CAGGAGTTTT GTCAAGCGCT2880  
 TCAGCAGCCT GATGCTAAAG TTTTTAAAA TACTTAAAG GTGTTCTTCC AGAGAGCAA2940  
 GCCCTGAGGA CTGGATTTCC CTGTGCCTAC TTCATGATCA TGAATTCCAG TTAATTTATA3000  
 AAGAGGCGAT TTTTGTGTG CATTACACT GGTCTTTTTT ACATTGTTTT GAGCTTATTG3060  
 CAGTATATGT TTTGGGATTT TTCTGTAAAA TGGGTGTAAT TTTCTTAATA CAGGTATGTA3120  
 ACAACAAAAG AAGTTGCCTG CATGCCGGTC CAATTTGTT TGTATAAAGA TGCTCTTAAA3180  
 AGACACAAGA GTTATCCTAG AACCTTAATT CTTTTTTATT TGAAATTTTA AGTCAAGTCC3240  
 TTTATAAAGA CCATAGCAGT GGAAAACAGT GTACTTTTTA AAAAATTGCT GAATATAAAA3300  
 TCTTTGAAAA TTTTCTTTAT GTGTGAAGAC ACAAGTATG GGGGAAGACA GCAATCAAAA3360  
 CTAACCTTTT GTAGATAGCC ATTTCAATTC TTTAAACTGT TTCAACGCCA ATATGTATTC3420  
 TACAAAAGAG AATGGTTTTA GGCTCCAGTG TTATACTTTT TTTTATATAT ATATATAAAA3480  
 ATAACTTTA CGTAGTG

3497

Name: 26 Len: 620 Check: 9F5  
 AATTCGGCAT GAGGGGGCAC AGAGCCATCT TCTTCAATCG GATCGGTGGA GTGCAGCAGG 60  
 ACACTATCCT GGCCGAGGGC TNTCACTTCA GGATCCCTTG GTTCCAGTAC CCCATTATCT120  
 ATGACATTCT GGCCGAGCCT CGAAAAATCT CCTCCCCTAC AGGCTCCAAA GACCTACAGA180  
 TGGTGAATAT CTCCCTGCGA GTGTTGTCTC GACCCAATGC TCAGGAGCTT CCTAGCATGT240  
 ACCAGCGCCT AGGGCTGGAC TACGAGGAAC GAGTGTGGCC GTCCATTGTC AACGAGGTGC300  
 TCAAGAGTGT GGTGGCCAAG TTCAATGCCT CACAGCTGAT CACCCAGCGG GCCCAGGTAT360  
 CCCTGTTGAT CCGCCGGGAG CTGACAGAGA GGGCCAAGGA CTTGAGCCTC ATCCTGGATG420  
 ATGTGGCCAT CACAGAGCTG AGCTTTANCC GAGAGTACAC AGCTGCTGTA GAAGCCAAAC480  
 AAGTGGCCCA NCAGGAGGCC AGCCGANATT TCTTGGTAGA AAAANCAAAN AGGAACAGCG540  
 GCAGAAANTG TCAGGCCGAG GTGAGCGAGC TGCAAGATGC TTGAGAACAT GANAAGAACC600  
 TGGCTACATA ACTNGCAAGA

620

Name: 260 Len: 5238 Check: 16B5  
 GAATTCGGCA CGAGGTCTTC CTGTCCCGGA GCTACCAGCG GCTCGCCGAT GCCTGTAGGG 60  
 GCCTCCTGGC ACTGCTGTTT COTCTCAGAT ACAGCTTCAC CTATGTGCCC ATCCTGCCGG 120  
 CTCAGCTGCT GGAGGTCTTC AGCACACCCA CGCCCTTCAT CATTGGGGTC AACGCGGCT 180  
 TCCAGGCAGA GACCCAGGAG CTGCTCGATG TGAATGTTGC TGATCTGGAT GGAGGGACGG 240  
 TCACCATTCG TGAGTGTGTG CACATTCCAC CATTGCCAGA GCCACTGCAG AGTCAGACGC 300  
 ACAGTGTGCT GAGCATGGTC CTGGACCCGG AGCTGGAGTT GGCTGACCTC GCCTTCCCTC 360  
 CGCCACGAC ATCCACCTCC TCCCTGAAGA TGCAGGACAA GGAGCTGCGC GCGGTCTTCC 420  
 TCGGCTGTT CGCTCAGCTG CTGCAGGGCT ATCGCTGGTG CCTGCACGTC GTGCGCATCC 480

156

ACCCGGAGCC TGTGATCCGC TTCCATAAGG CAGCCTTCCT GGGGCAGCGT GGGCTGGTAG 540  
 AGGACGATTT CCTGATGAAG GTGCTGGAGG GCATGGCCTT TGCTGGCTTT GTGTGAGAGC 600  
 GTGGGGTCCC ATACCGCCCT ACGGACCTGT TCGATGAGCT GGTGGCCAC GAGGTGGCAA 660  
 GGATGCGGGC GGATGAGAAC CACCCCGAGC GTGTCTGCG TCACGTCCAG GAACTGGCAG 720  
 AGCAGCTCTA CAAGAACGAG AACCCGTACC CAGCCGTGGC GATGCACAAG GTACAGAGGC 780  
 CCGGTGAGAG CAGCCACCTG CGACGGGTGC CCGGACCCTT CCCCCGGCTG GATGAGGGCA 840  
 CCGTGCAGTG GATCCTGGAC CAGGCTGCAG CCAAGATGCA GGGTGCACCC CCAGCTGTGA 900  
 AGGCCGAGAG GAGGACCACC GTGCCCTCAG GGGCCCCCAT GACTGCCATA CTGGAGCGGT 960  
 GCAGTGGGCT GCATGTCAAC AGCGCCCGGC GGCTGGAGGT TGTGCGCAAC TGCATCTCCT1020  
 ACGTGTTTGA GGGGAAAATG CTTGAGGCCA AGAAGCTGCT CCCAGCCGTG TTGAGGGCCCC1080  
 TGAAGGGGCG AGTTGCCCCG CGCTGCCCTG CCCAGGAGCT GCACCTGCAT GTGCAGCAGA1140  
 ACCGTGCGGT CCTGGACCAC CAGCAGTTTG ACTTTGTCTG CCGTATGATG AACTGCTGCC1200  
 TGCAGGACTG CACTTCTCTG GACGAGCATG GCATTGCGGC GGCTCTGCTG CCTCTGGTCA1260  
 CAGCCTTCTG CCGGAAGCTG AGCCCCGGGG TGACGCACTT TGCATACAGC TGTGTGCAGG1320  
 AGCACGTGGT GTGGAGCAGC CCACAGTTCT GGGAGGCCAT GTTCTATGGG GATGTGCAGA1380  
 CTCACATCCG GGCCTCTAC CTGGAGCCCA CCGAGGACCT GGGCCCCGCC CAGGAGGTTG1440  
 GGGAGGCACC TTCCAGGAG GACGAGCGCT CTGCCCTAGA CGTGGCTTCT GAGCAGCGGC1500  
 GCTTGTGGCC AACTCTGAGT CGTGAGAAGC AGCAGGAGCT GGTGCAGAAG GAGGAGACA1560  
 CCGTGTTCAG CCAGGCCATC CACTATGCCA ACCGCATGAG CTACCTCCTC CTGCCCTGG1620  
 ACAGCAGCAA GAGCCGCTA CTTGCGGAGC GTGCCGGCT GGGCGACCTG GAGAGCGCCA1680  
 GCAACAGCCT GGTACCAAC AGCATGGCTG GCAGTGTGGC CGAGAGCTAT GACACGGAGA1740  
 GCGGCTTCGA GGATGCAAG AGCTGCGACG TAGCTGGGGC TGTGGTCCGC TTCATCAACC1800  
 GCTTTGTGGA CAAGGTCTGC ACGGAGAGTG GGGTCACCAG CGACCACCTC AAGGGGCTGC1860  
 ATGTCTAGGT GCCAGACAT GTCCAGATGC ACATCGAGAC CCTGGAGGCC GTGCAGCGGG1920  
 AGAGCCGGAG GCTGCCGCCC ATCCAGAAGC CCAAGCTGCT GCGGCCCGCG CTGCTGCCGG1980  
 GTGAGGAGTG TGTGCTGGAC GGCCTGCGCG TCTACCTGCT GCCGGATGGG CGTGAGGAGG2040  
 GCGCGGGGGG CAGTGTGGG GGACCAGCAT TGCTCCAGC TGAGGGCGCC GTCTTCCTCA2100  
 CCACGTACCG GGTCACTTC ACGGGGATGC CCACGGACCC CCTGGTTGGG GAGCAGGTGG2160  
 TGGTCCGCTC CTTCCCGGTG GTCGCGTGA CCAAGGAGAA GCGCATCAGC GTCCAGACCC2220  
 CTGTGGACCA GCTCCTGCAG GACGGGCTCC AGCTGCGCTC CTGCACATTC CAGCTGCTGA2280  
 AAATGGCCTT TGACGAGGAG GTGGGGTCTG ACAGCGCCGA GCTCTTCCTG AAGCAGCTGC2340  
 ATAAGCTGCG GTACCCGCCC GACATCAGGG CCACCTTTGC GTTCACCTTG GGCTCTGCCC2400  
 ACACACCTGG CCGGCCACCG CGAGTACCA AGGACAAGGG TCCTTCCCTC AGAACCCTGT2460  
 CCGGAACCT GGTCAAGAAC GCCAGAAGA CCATCGGGCG GCAGCATGTC ACTCGCAAGA2520  
 AGTACAACCC CCCCAGCTGG GAGCACCGGG GCCAGCCGCC CCCTGAGGAC CAGGAGGAGC2580  
 AGATCTCAGT GTCGGAGGAG CTGGAGCCCA GCACGCTGAC CCCGTCTCA GGCCTGAAGC2640  
 CCTCCGACCG CATGACCATG AGCAGCCTGG TGGAAAGGGC TTGCTGTGCG GACTACAGC2700  
 GCCTCGGTCT GGGCACCTG AGCAGCAGCC TGAGCCGGGC CAAGTCTGAG CCCTTCCGCA2760  
 TTCTTCGGT CAACCGCATG TATGCCATCT GCCGAGCTA CCCAGGGCTG CTGATCGTGC2820  
 GCCAGAGTGT CCAGGACAAC GCCCTGCAGC GCGTGTCCCG CTGCTACCGC CAGAACCGCT2880  
 TCCCCGTGGT CTGCTGGCGC AGCGGGCGGT CCAAGGCGGT GCTGCTGCGC TCTGGAGGCC2940  
 TGCATGGCAA AGGTGTGCTC GGCTCTTCA AGGCCAGAA CGCACCTTCT CCAGGCCAGT3000  
 CCCAGGCGGA CTCGAGTAGC CTGGAGCAGG AGAAGTACCT GCAGGCTGTG GTCAGCTCCA3060  
 TGCCCCGCTA CGCCGACCGC TCGGGACGCA ACACGCTTAG CCGCTTCTCC TCAGCCACCA3120  
 TGGGCAGTCA CGGTAAGTGG GGCAGTGTCC GGACCAAGTG ACGCAGCAGT GGCCTTGGCA3180  
 CCGATGTGGG CTCCCGGCTA GCTGGCAGAG ACGCGCTGGC CCCACCCAG GCCAACGGGG3240  
 GCGCTCCCGA CCGGGGCTTC CTGCGTCCGC AGCGAGCAGC CCTCTATATC CTTGGGGACA3300  
 AAGCCAGCT CAAGGGTGTG CCGTCAGACC CCCTGCAGCA GTGGGAGCTG GTGCCCATG3360  
 AGGTATTCGA GGCACGGCAG GTGAAGGCTA GCTTCAAGAA GCTGCTGAAA GCATGTGTC3420  
 CAGGCTGCCC CGTGTCTGAG CCCAGCCCAG CCTCCTTCCT GCGCTCACTG GAGGACTCAG3480  
 AGTGGCTGAT CCAGATCCAC AAGCTGCTGC AGGTGTCTGT GCTGGTGGTG GAGCTCCTGG3540  
 ATTCAGGCTC CTCCTGCTG GTGGGCTGG AGGATGGCTG GGACATCACC ACCCAGGTGG3600  
 TATCCTTGGT GCAGCTGCTC TCAGACCCCT TCTACCGCAC GCTGGAGGGC TTTCGCTGC3660  
 TGGTGGAGAA GGAGTGGCTG TCCTTCGGCC ATCGCTTCAG CCACCGTGGA GCTCACACCC3720  
 TGGCCGGGCA GAGCAGCGGC TTCACACCCG TCTTCCTGCA GTTCCTGGAC TGCGTACACC3780  
 AGGTCCACCT GCAGTTCCCC ATGGAGTTTG AGTTCAGCCA GTTCTACCTC AAGTTCCTCG3840  
 GCTACCACCA TGTGTCCCGC CGTTTCCGGA CCTTCCTGCT CGACTCTGAC TATGAGCGCA3900  
 TTGAGCTGGG GCTGCTGTAT GAGGAGAAGG GGGAAACGAG GGGCCAGGTG CCGTGCAGGT3960  
 CTGTGTGGGA GTATGTGGAC CGGCTGAGCA AGAGGACGCC TGTGTCCAC AATTACATGT4020  
 ATGCGCCCGA GGACGCAGAG GTCCTGCGGC CCTACAGCAA CGTGTCCAAC CTGAAGGTGT4080  
 GGGACTTCTA CACTGAGGAG ACGCTGCCCC AGGCCCTCCC TATGACTGGG AACTGGCCCA4140  
 GGGGCCCCCT GAACCCCCAG AGGAAGAACG GTCTGATGGA GCGCTCCCCA GAGCAGCGCC4200  
 GCGTGGTGTG GCCCTGTTAC GACAGCTGCC CGCGGGCCCC GCCTGACGCC ATCTCACGCC4260

157

TGCTGGAGGA GCTGCAGAGG CTGGAGACAG AGTTGGGGCCA ACCCGCTGAG CGCTGGAAGG4320  
 ACACCTGGGA CCGGGTGAAG GCTGCACAGC GCCTCGAGGG CCGGCCAGAC GGCCGTGGCA4380  
 CCCCTAGCTC CCTCCTTGTC TCCACCGCAC CCCACCACCG TCGCTCGCTG GGTGTGTACC4440  
 TGCAGGAGGG GCCCGTGGGC TCCACCCCTGA GCCTCAGCCT GGACAGCGAC CAGAGTAGTG4500  
 GCTCAACCAC ATCCGGCTCC CGTCAGGCTG CCCGCCGCAG CACCAGCACC CTGTACAGCC4560  
 AGTTCCAGAC AGCAGAGAGT GAGAACAGGT CCTACGAGGG CACTCTGTAC AAGAAGGGGG4620  
 CCTTCATGAA GCCTTGGAAG GCGCGCTGGT TCGTGTGGGA CAAGACCAAG CACCAGCTGC4680  
 GCTACTACGA CCACCGTGTG GACACAGAGT GCAAGGGTGT CATCGACTTG GCGGAGGTGG4740  
 AGGCTGTGGC ACCTGGCACG CCCACTATGG GTGCCCCATA GACTGTGGAC GAGAAGGCCT4800  
 TCTTTGACGT GAAGACAACG CGTCGCGTTT ACAACTTCTG TGCCCGAGGAC GTGCCCTCGG4860  
 CCCAGCAGTG GGTGGACCGG ATCCAGAGCT GCTGTCCGAC GCCTGAGCCT CCCAGCCCTG4920  
 CCCGGCTGCT CTGCTCTCGT TACCGACCAC TAGGGGTGGC AGGGCCGCCG CGGCCATGTT4980  
 TACAGCCCCG GCCCTCGACA GTACTGAGCC CCGAGCCCCC AGCACTTGTG TGTACAGCCC5040  
 CCGTCCCCCG CCCGCCCCGC CCGGCCGGCC CTAACCTATT TTGGCGTCAC AGCTGAGCAC5100  
 CGTGCCGGGA GGTGGCCAAG GTACAGCCCG CAATGGGCCCT GTAAATAGTC CGGCCCGCTC5160  
 AGCGTGTGCT GGTCCACGGG CTCAGGCGAG TTTCTAGAAA GAGTCTATAT AAAGAGAGAA5220  
 CTAACGCCAA AAAAAAAA 5238

Name: 261 Len: 6450 Check: 91C  
 CGGCCTGGTC CCGGCCATGT CCGCGTGAGG ACCCGGCCGC TGTGCGCGCT CCCGTTCCGG 60  
 CCCTGGCCCC TCTGCCCGGC AGCGCGGGCG ACCATGGGCT CCATTCTCAG CCGCCGCATC 120  
 GCGGGGGTGG AGGACATCGA CATCCAGGCG AACTCGGCCT ATCGCTACCC TCCGAAGTCC 180  
 GGAAACTACT TTGCTTCGCA CTTTTTCATG GGAGGAGAGA AATTCGACAC CCCCCACCCT 240  
 GAAGGTTACC TCITTTGGAGA GAACATGGAT CTGAACCTCC TGGGCAGCCG CCGGTTCCAG 300  
 TTTCCCTACG TCACTCCTGC CCCCCACGAG CCCGTGAAGA CGCTGCGGAG COTGGTGAAC 360  
 ATCCGCAAG ACTCCCTGCG GCTGGTGAGG TACAAAGACG ATGCCGACAG CCCCACCGAG 420  
 GACGGCGACA AGCCCCGGGT GCTCTACAGC CTGGAGTTCA CTTTCGACGC CGATGCCCGC 480  
 GTGGCCATCA CCATCTAOTG CCAGGCATCG GAGGAGTTCC TGAACGGCAG GGCAGTATAC 540  
 AGCCCCAAGA GCCCCTCGCT ACAGTCCGAG ACCGTCCACT ACAAGAGAGG GGTGAGCCAG 600  
 CAGTCTCCCC TGCCCTCCTT CAAGATTGAC TTCTCGGAAT GGAAGGATGA CGAGCTGAAC 660  
 TTTGACCTGG ACCGGGGCGT GTTTCCAGTA GTCATCCAGG CTGTGGTGGA CGAAGGAGAT 720  
 GTGGTGGAAG TGA CTGGCCA CGCCCCACGT CICTTGGCTG CTTTGA AAA GCACATGGAC 780  
 GGCAGCTTCT CTGTGAAGCC TTTAAAGCAG AAGCAAATTG TGGACCGGGT CAGCTACCTC 840  
 CTGCAGGAGA TCTATGGCAT TGAGAACAAG AACAAACAGG AGACCAAGCC CTCGGACGAC 900  
 GAGAACAGCG ACAACAGCAA CGAGTGTGTG GTGTGCTGT CCGACCTGCG GGACACGCTG 960  
 ATCCTGCCCT GCCGCCACCT GTGCCTCTGT ACCTCCTGCG CCGACACGCT GCGCTACCAG1020  
 GCCAACAACT GCCCATCTG CCGGCTGCCT TTCGGGGCCC TCCTGCAGAT CCGGGCGGTG1080  
 CGGAAGAAGC CAGGAGCCCT GTCCCCCGTG TCCTTCAGCC CCGTCTCTGG CCAGAGCCTG1140  
 GAGCATGATG AGCACTCTTG TCCCTTTAAA AAATCAAAGC CGCACCCCGC CTCCTGGCC1200  
 AGCAAGAAAC CTAAAAGGGA AACAACTCT GACAGCGTCC CACCTGGCTA CGAGCCCATC1260  
 TCGCTGCTCG AGGCGCTCAA CGGCCTCCGG GCTGTCTCCC CGGCCATCCC CTCGGCCCT1320  
 CTTTATGAAG AAATCACCTA TTCAGGCATC TCGGACGGCC TGTCCCAGGC CAGCTGTCCC1380  
 CTCGCGGCTA TCGACCACAT CCTGGACAGC AGCCGCCAGA AGGGCAGGCC GCAGAGCAAG1440  
 GCCCCCCGACA GCACCCCTAG GTCCCCGTCT TCCCCCATCC ACGAAGAGGA TGAGGAGAAG1500  
 CTCTCCGAGG ACGTGACGC CCCTCCCCCA CTGGGTGGCG CAGAGCTGGC CCTGCGGGAA1560  
 AGCAGCTCCC CTGAGAGTTT CATAACAGAA GAGGTTGATG AGTCGTCTGC ACCACAGCAA1620  
 GGGACCCGAG CAGCTTCCAT TGAGAATGTC CTGCAGGACA GCAGCCCCGA GCACTGTGGC1680  
 CGAGGCCAC CTGCTGACAT CTACCTGCCA GCGCTGGGGC CCGACTCCTG CTCTGTTGGT1740  
 ATAGACGAGT AAGCCGGTAC GTGACCTTCC AGACGCGCTT CCGGGGGCTCT GACGCGCGTC1800  
 CTTGGAGAGA GGAGCCCTCC CCTGCTCTCT GCGGGGGGTT CTTCTGTT TTTGGGCTT1860  
 CGTCCGCATC CGCATCTTCC CAGGGGCCCT GGATTCCGAA TCCAGAGCTC TCCAGTGGCT1920  
 GCTGCACCTT CCCCCAGAAA GTGGCTCCT GGGGGGTCT GACTTTCGGG GCCAGAGGT1980  
 TCTCCATCTG GACTAGGCGG CCGGTCAGGC TCTTCTTCCA GCCTTGAGGG GCCCTGGAAC2040  
 AGTCCCAGCC CAGGCAGGGA GACAGACACA GCCCAGGTGC GCCAGAGCCA CTGTCCACTG2100  
 CCGGAGGCAG GAGCTTGAGG GATGAGGGCA GCACCGTGGA GGGAAACCCA GGGAGACATG2160  
 GGGTGAGCGT CCAAGGGGA GAGGCCTGGG CCTGGCCTTG TTCCGGATGG TCCCACCATG2220  
 AGTTCCGATC GGTCTGCGAG CAGACACGTT AGGACGCTCA GCAGGTCCAC TCCCGTGTTC2280  
 CGGTCAATGG TTTAACAATT CATGGGGAAA GAATGCGCCC CGATTGGGAG AGCCCTGGA2340  
 TCACGTCTT CCAAGCTCAG TCCCTGTCTC TTGGAGGGAG TCCGTCTCTG AGGGGCCCTC2400  
 TGGTGCCAG GGGAGAGTAT CTGCGTCTCT GTCCTGAGGG CGTCCGCTCA CACAGCCACC2460  
 TGCTCCCCCG CTCCCTCCTT CCCTTGTCAG CATGGCCACC GTGGGCTTGG CATCACCATG2520  
 GGCTTGGCAC ACAGTCCCTC GTGGGCTGCC TTTGTGCCAT GAGCCCACTG CTGCCGACTC2580  
 ACCTGTCCCT CCCAGTACTG GAACCTTCTG GAACACCAGC ACTAAAAGAT AGGAGGCCCT2640  
 GTGAGGTTGG CATCCCCCAT CCCCCCCCCA GAGGTGCCCT CTACCAGGGT GGGCAGGTG2700

158

AGTGTTTTAC AGAAGGCGGC TCTGTCCAGG CAGTGGTTGG CACCTATAAG CCCGGTACTT2760  
TGGGAGACCG AGGGGATAGA TCACCTGAGC CCAGGAATTC AAGATCAGTG TAGAAAACAT2820  
AGACCCCCCTC TCTATAAAAA ATAAAAAATT GGCTTGGGCG TGGTAGCTTG TGCCTGTGGT2880  
CCCAGCTACT CAGGGGTGCT GAGGTGGGAG GATTGCCGGA GCTGGGGAGG TCAAGGCCCA2940  
CTCCAGCCTG AGACGCTGTC TCAATAAAAA AAAATACACA CACACCCACC CACCCACTCC3000  
AGCCTGAGAC COTGTCTCAA GAAAAAATAA AATACACACA CACACACACA CACACACACA3060  
CACACACACA CACACACACA CACACGGGGG AGAGAGAGAA GGCAGCTCCA GGAGTGCCAC3120  
CAAAATGTAG GCAGACGGAT TGGGGACCCT CTGCCCTCCC AGAGGGTCTT GGCACACAAG3180  
CTGCGTGACG CTCTGGTCTG CCGAGGCCCA TGCAGCCTGC TGGGAGGTGC CTGGCCGGGG3240  
GTGCAGGGCTC TAAGAGGCCCT TTTCCCCCTTG GGTGGACTTG AGCCGGGTCA GGGAGAACTT3300  
CGCTTCTTTT GACTGC3CTC TGCATTCCCA TGAACCTCTG TCTTCTTGAG CCCAGCGAGT3360  
CCCTCTGTTG ACCCCTGTCC TGAGCCATTA TACCCCTAGA TTGAAACAGT CAGCACCTTT3420  
CAGACGGCCCC CGGCCTGCGC ATCGGTGGAA GGTGCCATGC GAATGTCACG ATTCAGGTCA3480  
AGCTTCCGGA GCTGGGGAGT GCAGGTGTGA TCTAGAACAG GGCTCACAGC CTCGGAAACC3540  
TGCTCTCGCC GCGGCCCCCG AAGAAAATAG ACGCCCTTCA CCGGAGAGTG GGGCCTGGGC3600  
CGTGTCTGCT GGGAGCCATG TGTCAGGGCT GGTGGCTGGG TGTGAGGAG CCCTGAGGCC3660  
ATGCTGGCCC CGTCCCAGGC TCTGCACCAG CACCATTGCC CAAGCCCCAG GGACGCCAGA3720  
CCCATCCGGG GACAGCGCCC GCGGCGCTCG TGCAGGCCAC AGTCTGGGCA TTGGGCTCT3780  
GTGGGAGGCT CCTCTCTTG CTTGCACTA GGCATCCGGG GGCTACTCTG AGCACGGGCT3840  
TGTTCTCACC CAGGGCCGCT CCCGACCCCT GCACCCCTGGG TTGACCGAGT TCCACCCATA3900  
CCCAGCCGTA AGAACCTTGG CAGGACAGTG GCTGGCCACA TCCCAGGAAA CCGGAACCAG3960  
GGCAAGGGCA GGAGGCCAG AGGGCATCCA CTGCGGTGCC GTGTGCGGCT CTGACTCGGG4020  
GCTGCAGATC TGCTGTGGGT GTCCGGGGAT CTGGGATCGT CTGTCCCAAG AGGGACACAG4080  
CGTATTTGGC ACAGTTAGGG AGTCCCCGGG CCCTTGGTGT GCTCACATCT GAGTGAATGC4140  
TGTTGTGGCC ACAGGCGGGG GGAGTGGGGG TGCTGGATGG CCCAGCCCTT CTGGGGCTCC4200  
AGATCGGTAG GAGCGGGTGG CGTGGCACCA GGCATCCGAG TGTGACCTC CTCCCTCTGC4260  
TCCCACCTGC AGGACGGCCC ACCTCCATGG AGACGGCCCA CGGCCTCGCC ACCACCAGCC4320  
CCACCTGGCC TCCACTTGGT GGCCCCAGCC CCGATCCCAG CGCCGCGGAG CTGACCCAC4380  
TCTGAGAGCC TGGCCGAGCT GGCAGCATGG AGCCCTCGGC TCCCAGACT TTGCCGAGGG4440  
GCTGCTCCGG ACCCCGTGT GAGCCGGCCT CCTGTCTGCA TGCCCCCTGT GGCCACCAGG4500  
CTCCGAGGGG CCGTGGTGAC TCTTGATCAA AGAGCACAGT GAACCTGTCC TTCTGAGTCT4560  
CCCTTTTCTA CAGTTGATAT ATTTGTAAC TGTACAAAGT GAAGGACAGC AGCTTTCCAT4620  
CCCTAGTTCA GAGCCCCCT TCCCAGGGT CCTGTGGGCT GAGCGGCTGG GGCTGGGGCT4680  
GCCCACGTGT GGCCTCCGCT GGCTCTGCCT GCTCCTGCAA CAGTGCGGTC CCGCCCGGA4740  
GAACTCAGGA GGCCTGCAGA AGAGAACTGA TTGGTGGTGG AAGCACCATC TTCACAGATG4800  
TTCAGGGGCA GTGGGGGGCT CCAGGCACGG TCAATGAAGG AAACAGTGCC TGTCCACCCA4860  
CCCTGCGTGT CACTGTGGCG GCCTGGCTGT CGCTGCTTTT TGTCTCTGC CGTGTGCG4920  
CGGCCTCAGT GCCCTCCCTG GTGCGTCTGC GCTGGGGCCC TCAGTGCTCG GGGCCTTGGG4980  
GTGCATGGGC GCGGCCCTGG GCAGCTAGAG TGTCTCAGCC CCGTGCTGGG CCTGGCCGAG5040  
GGGCGGAGGC ACAGCTGCTT CCAGCAGCCA GCATTCACTG GCCTTGTCAC CAAGCTCCAC5100  
ACCTCCTCCT GGTGCTGGCT TTGGTGACAT CACAAGGCC CTCCAGGTGC AGGGGCTTCT5160  
GTTTGGCAGG CCCCTGCCAG GGAGGACCTG GTGGCCTCCT CATTCTCTT TGCCATTGGA5220  
ATGTCCCCCT GCAGTCTCT TCTCTTTTT TTTTTTTTG AGATGGAGTT TCACTCTTGC5280  
TGCCAGGCTG GGAGTGACG GGTCAATCT CCGGTCACTG CAACCTCCGC CTCCCGGGT5340  
CAAGTGATCG TCTGCTTTA GGCTCOTGAG TAGCTGGGA TTACAGGTGC CTACCAGCAT5400  
GCTCGGCTAA TTTTTTTGTA TTTTGTAGTAG AGAAGGGATT TCACCATGT GGCCGGGCTG5460  
GTCTCAAAC CTAAGGTCA TCCACCTGCC TCGGCCTCCC AGAGTGCTGA GATTACAGGC5520  
GTGAGCCTCC GCGCCCGGCC CCCTTGCACT TCTCTCTGAT TTGGTTTGT CTGTCTCAGG5580  
CTTCTGTGGC AGGACTGGCC CAGGGAGGAG GAAGCCAGCA GCACACCTGG GGAATGGGGT5640  
CCCGGCCGGG AGGCTTGGCC TCTGGGCGAC CTCGTCTGT TTTGTTTGT TGTGTTTGG5700  
TTTTTTTAAA GGTAAACCTC CTGGGCGGCA GATGCCAAAG GGAGTGCCTG GGCTGGTGA5760  
CCCAGGGCTG GATCCACCCC TGCGGAGCCC TGGGCCAGGC AGGTGTCTGC TGCTCACCTG5820  
GCTCTGGAGG GCTGCCCTGC AGCTGGCCCT GGGGACAGGT CGGCTGTGGG GCAGCTCAGT5880  
ACCCTCCCTG AGGCTCACGG TGGCTCCGAG CATGAGCTCT GCCTCCTGGG CGAGACCCAG5940  
CAGTGGACAG CACGGTCTC ACACCCAGCT CCCTGCACAC CCAGGCCAGC CACCCCTCCC6000  
GCTCGTGAC AGGCACGCAG ATGCGCTCAC ACGTACACAC ACACAAATGC ACGCCCACTT6060  
GCACATGCTC ACGCACACGT TCACACATGC ACACTCACGC TCACACATGC TGTACGCAT6120  
ACACACACGC ACATACTCCT GCACATGTT CCATGCATGT GTGTGCACTC GGACCGAGCA6180  
TCTCCACGC ACCTCTACCC CACCCCAAGC ACCTCTCTCC CCCCATGCAC CTCTCCCCAA6240  
CAACACACAC AGCCCCCTGC ACCGCCGCC CCCCGCCCCC ACCAAGGCC CAGCCTCTGG6300  
CCATCAGTCC TGGTGCCAGA GCTTTGCGTG AAGTTCGGGC CGCAGAGTGG CCCGCTGGGA6360  
CTCCCATGTG CTGCCGTCTG ATGTGCTCAG ATGGGCTCAT CGTTGGTTCT TTTTACTGT6420  
ATATTATAG TAATAAAATC ATGCAGCAAT

159

Name: 262 Len: 4611 Check: 6F0

GTGTCTGCTCG	CTTTCTGTCA	GCCTCTCTCC	CTCTCCCTCT	CCCCTCTCCT	TCCTCTCGCT	60
TCCTCTCTCG	CACCTGAGCG	TACGCACCTG	CCCCGGCCCG	GCTCCCTCCT	CCTCTCCCCCT	120
CCCTCTTTCC	CCGCCCCGCC	GCGGGAGCCT	CGTGGCTGCG	TCACCGCCGC	CCCCCCAGAC	180
AAGATGGACA	CCGCGGAGGA	AGACATATGT	AGAGTGTGTC	GGTCAGAAGG	AACACCTGAG	240
AAACCGCTTT	ATCATCCTTG	TGTATGTACT	GGCAGTATTA	AGTTTATCCA	TCAAGBAATGC	300
TTAGTTCAAT	GGCTGAAACA	CAGTCGAAAA	GAATACTGTG	AATTATGCAA	GCACAGATTT	360
GCTTTTACAC	CAATTTATTC	TCCAGATATG	COTTCACGGC	TTCCAATTCA	AGACATATTT	420
GCTGGACTGG	TTACAAGTAT	TGGCACTGCA	ATACGATATT	GGTTTCATTA	TACACTTGTG	480
GCCTTTGCAT	GGTTGGGAGT	TGTTCTCTCT	ACAGCATGCC	GCATCTACAA	GTGCTTGTIT	540
ACTGGCTCCG	TGAGCTCACT	ACTGACGCTG	CCATTAGATA	TGCTGTCAAC	GGAAAATTTG	600
TTGGCAGATT	GTTTGCAGGG	TTGTTTTGTG	GTGACGTGCA	CACTGTGTGC	ATTCATCAGC	660
CTGGTGTGGT	TGAGAGAGCA	GATAGTCCAT	GGGGGAGCAC	CAATTTGGTT	GGAGCATGCT	720
GCCCCACCGT	TCAATGCTGC	GGGGCATCAC	CAAAATGAGG	CTCCAGCAGG	AGGAAATGGT	780
GCAGAAAATG	TTGCTGCTGA	TCAGCCTGCT	AACCCACCAG	CTGAGAACGC	AGTGGTGGGG	840
GAAAACCCCTG	ATGCCCAGGA	TGACCAGGCA	GAAGAGGAGG	AGGAGGACAA	TGAGGAGGAA	900
GATGACGCTG	GTGTGGAGGA	TGCGGCAGAT	GCTAATAACG	GAGCCCAGGA	TGACATGAAT	960
TGGAATGCTT	TAGAATGGGA	CCGAGCTGCT	GAAGAGCTTA	CATGGGAAAG	AATGCTAGGA	1020
CTTGATGGAT	CACATAGTTT	TCTGGAACAT	GTCTCTGGG	TGGTATCTTT	AAATACACTG	1080
TTTATTCTTG	TTTTTGCATT	TTGCCCTTAC	CATATTGGTC	ATTTCTCCCT	TGTTGGTTTG	1140
GGATTTGAAG	AACACGTCCA	AGCATCTCAT	TTTGAAGGCC	TAATCACAAC	CATAGTTGGG	1200
TATATACTTT	TAGCAATAAC	ACTGATAATT	TGTCATGGCT	TGGCAACTCT	TGTGAAATTT	1260
CATAGATCTC	GTCGCTTACT	GGGAGTCTGC	TATATTGTTG	TTAAGGTCTC	TTTGTTAGTG	1320
GTGGTAGAAA	TTGGAGTATT	CCCTCTCATT	TGTGGTTGGT	GGCTGGATAT	CTGTTCCCTG	1380
GAAATGTTTT	ATGCTACTCT	GAAAGATCGA	GAATGAGCT	TTCAGTCGGC	TCCAGGTACT	1440
ACCATGTTTC	TGCATTGGCT	AGTGGGAATG	GTATATGTCT	TCTACTTTGC	CTCCTTCATT	1500
CTACTACTGA	GAGAGGTACT	TCGACCTGGT	GTCCTGTGGT	TTCTAAGGAA	TTTGAATGAT	1560
CCAGATTTC	ATCCAGTACA	GGAAATGATC	CATTTGCCAA	TATATAGGCA	TCTCCGAAGA	1620
TTTATTTTGT	CAGTGATTGT	CTTTGGCTCC	ATTGTCTCTC	TGATGCTTTG	GCTTCCTATA	1680
CGTATAATTA	AGAGTGTGCT	GCCTAATTTT	CTTCCATACA	ATGTCATGCT	CTACAGTGAT	1740
GCTCCAGTGA	GTGAACGTGC	CCTCGAGCTG	CITCTGCTTC	AGGTTGTCTT	GCCAGCATT	1800
CTCGAACAGG	GACACACGAG	GCAGTGGCTG	AAGGGGCTGG	TGCGAGCGTG	GACTGTGACC	1860
GCCGGATACT	TGCTGGATCT	TCATTCTTAT	TTATTGGGAG	ACCAGGAAGA	AAATGAAAAC	1920
AGTGCAAATC	AACAAGTTAA	CAATAATCAG	CCTGCTCGAA	ATAACAACGC	TATTCCTGTG	1980
GTGGGAGAAG	GCCTTCATGC	AGCCCACCAA	GCCATACTCC	AGCAGGGAGG	GCCTGTTGGC	2040
TTTCAGCCTT	ACCGCCGACC	TTTAAATTTT	CCACTCAGGA	TATTTCTGTT	GATTGTCTTC	2100
ATGTGTATAA	CATTACTGAT	TGCCAGCCTC	ATCTGCCTTA	CTTTACCAGT	ATTTGCTGGC	2160
CGTTGGTTAA	TGTCGTTTTG	GACGGGGACT	GCCAAAATCC	ATGAGCTCTA	CACAGCTGCT	2220
TGTGGTCTCT	ATGTTTGCTG	GCTAACCATA	AGGGCTGTGA	CGGTGATGGT	GGCATGGATG	2280
CCTCAGGGAC	GCAGAGTGAT	CTTCCAGAAG	GTTAAAGAGT	GGTCTCTCAT	GATCATGAAG	2340
ACTTTGATAG	TTGCGGTGCT	GTTGGCTGGA	GTTGTCCCTC	TCCTTCTGGG	GCTCCTGTTT	2400
GAGCTGGTCA	TTGTGGCTCC	CCTGAGGGTT	CCCTTGGATC	AGACTCCTCT	TTTTTATCCA	2460
TGGCAGGACT	GGGCACCTGG	AGTCCTGCAT	GCCAAAATCA	TTGCAGCTAT	AACATTGATG	2520
GGTCCTCAGT	GGTGGTTGAA	AACTGTAATT	GAACAGGTTT	ACGCAAATGG	CATCCGGAAC	2580
ATTGACCTTC	ACTATATTGT	TCGTAAACTG	GCAGCTCCCG	TGATCTCTGT	GCTGTTGCTT	2640
TCCCTGTGTG	TACCTTATGT	CATAGCTTCT	GGTGTGTGTC	CTTTACTAGG	TGTTACTGCG	2700
GAAATGCAAA	ACTTAGTCCA	TCGGCGGATT	TATCCATTTT	TACTGATGGT	CGTGGTATTG	2760
ATGGCAATTT	TGTCCTTTCCA	AGTCCGCCAG	TTTAAGCGCC	TTTATGAACA	TATTAATAAT	2820
GACAAGTACC	TTGTGGGTCA	ACGACTCGTG	AACTACGAAC	GGAAATCTGG	CAAACAAGGC	2880
TCATCTCCAC	CACCTCCACA	GTCATCCCAA	GAATAAAGTA	GTTGTCTCAA	CAACTTGACC	2940
TTCCCTTTTA	CATGTCCTTT	TTTGTGGACT	TCTCTCTTTG	GAGATTTTTC	CCAGTGATCT	3000
CTCAGCGTTG	TTTTTAAAGT	AAATGTATTT	GACTTGTGTT	CTCAGCATTC	AGAGAGCAGC	3060
GGTGTAAGAT	TCTGCTGTTT	TCCCTGGATC	TTCTGACATT	ACTGCTGTCT	GAGATTTGTA	3120
TATGTGTAAT	TACAAGTTCC	TTGATACCCT	AAAACCTTGG	ATTAAACAGA	ATGTGCATTG	3180
TACATCTTTA	AACAAAATGT	ATATTAATTT	ATTAATCTTA	GTTGTCACTT	TATTTTGGAC	3240
CTGCTGTGAT	CTCGACAGGA	AACGTGCCAC	AGAGCAGTAG	TGCGCAGGCA	AGACTTTTCA	3300
GTGACGCCCT	GTGGAACGCA	GTTTCATGAT	TCCTAGCAGC	TCTCACTAAG	GGAAGTACAC	3360
ATTCTTTCTT	TCTTGGCTAT	TCAGACCTTA	CCAAGAACGT	TAAAGGAAAC	AAGTAGAAAT	3420
CAGCAGTGG	GTGCTGTGG	TAAAGAAAACA	TGAACCTTTAT	GCTTCACTGT	TAGTTGTTTG	3480
TGGAAAGTTAT	TTTGTATAAC	ACCAAAGCTG	TTGTACATTT	CCTACTGCCT	GATTTTTTTC	3540
ATGTGTCTGT	GTTTGTAATA	TTGTATAGTA	TCTTGTGCTA	GGTGAGGAAA	TTATTTTTAA	3600
TTTTGATAAT	TAAATATTCC	TAGTGTGATC	AGCATTGGGA	GTTGGGTTTC	AGTGGGGCAT	3660
GTCTATACTT	AGAGAAAAAA	AGTCCAAATG	AAGATTTTCA	TGAGTCAGCC	CCCCCGCCCG	3720



160

CCCCCACCCC ACACCCACAT CCTCTCTTTT CCACACACAA CTATCTGTTT ATTTTTTGT3780  
 GCAGTGGCCG AAAGTCCTGC AAGGTCATAA ATCTTTTCAGA GTGACATCAC CAACTGTACT3840  
 GCATCTTACT GGATTTAGGA CTTCTGAGAT GCTTGTGAAG TATAGATGTG GTTGTGGTCT3900  
 TAGATTGACA GCATTAGAGA AGACTGGTTA GAACAICTGG TCTCGCTGGT TAGTGCCCTCG3960  
 TTGGCTGAGG ACTAGGTGTG CATTTCTCCT AGCTTTTCAT CAGGAAATCC CAAAGTTTCC4020  
 AAAGCTTTTTT GTTTACAGAA TAAAACTTCA AATAAAACCA ATTCAATTAT TGTCCAGAAG4080  
 GAAGCTTGSC TGAGCTGGCC TTTTAACATA GGAATGTATT TCGTTGGAAA CATCTGAAA4140  
 AATCTCAGAG AACTGAACCC TTACAAACTT TGTTTTCCCT CATAACCAAA GCTTCAGGTT4200  
 AGAAGTTTAG AAAAATAGAA TGGTTGGGTA CATGATCTAA ATGTTTAATG CTAAAGGTAT4260  
 ATCGTAAGGG TAGTGTTTGT TTTTGAACGA TAATTAGAA GTTCTCATAG AAAGCGTATA4320  
 ACATAGGTCT TCAGAAACTA TAAAAGAATT TTCATATAGT ATTAAAATCC ATAGACTAAA4380  
 ATCTGAGAAAT TTTTAAACAT ATGCAAGTCA GCCAAACATA AGCTACCAAA ATAAAGAGCA4440  
 ATGTGTTCTG GCTGTTTTAT ACTTCAACAA TTTTTTCCCT AAGTGGTAAG CAATTACTTT4500  
 AAAACATATT TTTAAAAACA TCGGTATCGG GAGCTGCGGT GGCTCCGGCC GGTGTCTCTG4560  
 GCACACAAGG AGGCGAGGCT ATGCGTTCGA GGCCAACCTA GGCAAAATTG G 4611

Name: 263

Len: 3074

Check:

F6A

CCGCTCTCCG CTGCGGGGGA GGCCATGGCG GAACCTTCCC AGGCCCCGAC CCCGGCCCCG 60  
 GCTGCGCAGC CCCGGCCCCCT TCAGTCCCCA GCCCCCTGCC CAACTCCGAC TCCTGCACCC 120  
 AGCCCCGCTT CAGCCCCGAT TCCGACTCCC ACCCCGGCAC CAGCCCCCTG CCCAGCTGCA 180  
 GCCCCAGCCG GCAGCACAGG GACTGGGGGG CCGGGGGTAG GAAGTGGGGG GGCCGGGAGC 240  
 GGGGGGGATC CGGCTCGGCC TGGCCTGAGC CAGCAGCAGC GCGCCAGTCA GAGGAAGGCG 300  
 CAAGTCCGGG EGCTGCCCCG CGCCAAGAAG CTTGAGAAGC TAGGGGTCTT CTCGGCTTGC 360  
 AAGGCCAATG GAACCTGTAA GTGTAATGGC TGGAAAAACC CCAAGCCCCC CACTGCACCC 420  
 CGCATAGATC TGCAGCAGCC AGCTGCCAAC CTGAGTGAGC TGTGCCGAG TTGTGAGCAC 480  
 CCCTTGCGTG ACCACGTATC CCACTTGAGG AATGTGTGAG AGGATGAGAT AAACCGACTG 540  
 CTGGGGATGG TGGTGGATGT GGAGAATCTC TTCATGTCTG TTCACAAGGA AGAGGACACA 600  
 GACACCAAGC AGGTCTATTT CTACCTCTTC AAGCTACTGC GGAAATGCAT CCTGCAGATG 660  
 ACCCGGCCCT TGGTGGAGGG GTCCCTGGGC AGCCCTCCAT TTGAGAAACC TAATATTGAG 720  
 CAGGGTGTG TGAACCTTGT GCAGTACAAG TTTAGTCAAC TGGCTCCCCG GGAGCGGCAG 780  
 ACGATGTTG AGCTCTCAA GATGTTCTTG CTCTGCCTTA ACTACTGGGA GCTTGAGACA 840  
 CCTGCCAGT TTCGGCAGAG GTCTCAGGCT GAGGACGTGG CTACCTACAA GGTCAATTAC 900  
 ACCAGATGGC TCTGTTACTG CCACGTGCCC CAGAGCTGTG ATAGCCTCCC CCGCTACGAA 960  
 ACCACTCATG TCTTTGGGCG AAGCCTTCTC CGGTCCATT TCACCGTTAC CCGCCGGCAG1020  
 CTGCTGGAAA AGTTCCGAGT GGAGAAGGAC AAATTGGTGC CCGAGAAGAG GACCCTCATC1080  
 CTCACTCACT TCCCCAAAT CCTGTCCATG CTGGAGGAG AGATCTATGG GGCAAATCT1140  
 CCAATCTGGG AGTCAGGCTT CACCATGCCA CCCTCAGAGG GGACACAGCT GGTTCCTCCG1200  
 CCAGCTTCAG TCAGTGCAGC GGTGTGTCCC AGCACCCCCA TCTTCAGCCC CAGCATGGGT1260  
 GGGGGCAGCA ACAGCTCCCT GAGTCTGGAT TCTGCAGGG CCGAGCCTAT GCCAGGCGAG1320  
 AAGAGGACGC TCCAGAGAA CCTGACCCTG GAGGATGCCA AGCGGCTCCG TGTGATGGGT1380  
 GACATCCCCA TGGAGCTGGT CAATGAGGTC ATGCTGACCA TCACTGACCC TGCTGCCATG1440  
 CTGGGGCCTG AGACGAGCCT GCTTTCGGCC AATGCGGCCC GGGATGAGAC AGCCCGCCTG1500  
 GAGGAGCGCC GCGGCATCAT CGAGTTCCAT GTCATCGGCA ACTCACTGAC GCCCCAAGGCC1560  
 AACC GGCGGG TGTGCTGTG GCTCGTGGGG CTGCAGAAAT TCTTTTCCCA CCAGCTGCCG1620  
 CGCATGCCTA AGGAGTATAT CGCCCGCCTC GTCTTTGACC CGAAGCACAA GACTCTGGCC1680  
 TTGATCAAGG ATGGGCGGGT CATCGGTGGC ATCTGCTTCC GCATGTTTCC CACCCAGGGC1740  
 TTCACGGAGA TTGTCTTCTG TGCTGTCCAC TCGAATGAGC AGGTCAAGGG TTATGGGACC1800  
 CACCTGATGA ACCACCTGAA GGAGTATCAC ATCAAGCACA ACATTCTCTA CTTCTCACCC1860  
 TACGCCGACG AGTACGCCAT CGGCTACTTC AAAAAGCAGG GTTTCTCCAA GGACATCAAG1920  
 GTGCCCAAGA GCGCTACCT GGGCTACATC AAGGACTACG AGGGAGCGAC GCTGATGGAG1980  
 TGTGAGCTGA ATCCCCGCAT CCCCTACACG GAGCTGTCCC ACATCATCAA GAAGCAGAAA2040  
 GAGATCATCA AGAAGCTGAT TGAGCGCAAA CAGGCCCAGA TCCGCAAGGT CTACCCGGGG2100  
 CTCAGCTGCT TCAAGGAGGG CGTGAGGCAG ATCCCTGTGG AGAGCGTTCC TGGCATTGAG2160  
 GAGACAGGCT GGAAGCCATT GGGGAAGGAG AAGGGGAAGG AGCTGAAGGA CCCCAGCCAG2220  
 CTCTACACAA CCTCAAAAA CCTGCTGGCC CAAATCAAGT CTCACCCAG TGCTGGCCCC2280  
 TTCATGGAG CTGTGAAGAA GTCGGAGGCC CCTGACTACT ACGAGGTCT CCGCTTCCCC2340  
 ATTGACCTGA AGACCATGAC TGAGCGGCTG CGAAGCCGCT ACTACGTGAC CCGGAAGCTC2400  
 TTTGTGGCCG ACCTGACCG GGTCTCGCC AACTGTGCG AGTACAACCC CCGGACAGC2460  
 GAGTACTGCC GCTGTGCCAG CGCCCTGGAG AAGTTCTTCT ACTTCAAGCT CAAGGAGGGA2520  
 GGCTCATTTG ACAAGTAGGC CCATCTTTGG GCGCAGCCC TGACCTGGAA TGTCTCCACC2580  
 TCGGATTCTG ATCTGATCCT TAGGGGGTGC CCTGGCCCCA CGGACCCGAC TCAGCTTGAG2640  
 AACTCCAGC CAAGGGTCTT CCGGACCCGA TCCTGCAGCT CTTTCTGGAC CTTCAGGCAC2700  
 CCCCCAGCGT GCAGCTCTGT CCCAGCCTTC ACTGTGTGTG AGAGGTCTCC TGGGTTGGGG2760  
 CCCAGCCCCCT CTAGAGTAGC TGGTGGCCAG GGATGAACCT TGCCAGCCG TGGTGGCCCC2820



161

CAGGCCTGGT CCCAAGAGC TTTGGAGGCT TGGATTCCCTG GGCCTGGCCC AGGTGGCTGT2830  
TTCCCTGAGG ACCAGAACTG CTCATTTTATG CTTGAGTGAT GGCTTCAGGG GTTGGAAAGTT2940  
CAGCCCCAAC TGAAGGGGGC CATGCCTTGT CCAGCACTGT TCTGTGAGTC TCCCCAGGG3000  
GTGGGGGGTA TGGGGACCAT TCATTCCCTG GCATTAATCC CTTAGAGGGA ATAATAAAGC3060  
TTTTTATTTC TCTG 3074

Name: 264 Len: 6184 Check: 7A5

GGCGAGGGGT	GCACGGCGGC	CACCTGAGTG	GCGCGGCGGT	GTGAGGTTCT	TGCTCAAGTA	60
CCAACTCTAT	GGACCCAGGA	CAGGTTTGTG	CCATGACCTG	CTGTGAACAG	TGTGTTGTCT	120
GATAGAAGAT	TCGGTTGGCA	AACCATCTCT	CTATTGCCTT	ACAGAGCAAG	CAAAGAAGAT	180
GGATCGATTG	AAGAGCCATC	TGACTGTGTG	CTTTCTACCT	TCTGTGCCCT	TTTTAATCCT	240
AGTATCCACT	CTAGCCACCG	CTAAGAGTGT	GACTAACAGC	ACTTTAAATG	GCACTAACGT	300
GGTCTTGGGC	TCTGTGCCCG	TAATCATTGC	CAGAACTGAC	CATATCATAG	TCAAGGAAGG	360
GAACAGTGCC	TTGATTAAT	GTAGTGTTTA	TGGCATCCCT	GACCCACAGT	TCAAGTGGTA	420
TAATTCCATT	GGCAAGCTGC	TGAAAGAAGA	AGAGGATGAG	AAGGAGAGAG	GAGGAGGAAA	480
ATGGCAAATG	CACGACAGCG	GCCTCCTGAA	CATCACCAG	GTATCCTTCT	CAGACCGAGG	540
TAAATACACG	TGTGTGGCTT	CTAACATCTA	CGGCACCGTG	AACAACACGG	TGACCTTGCG	600
CGTCACTTTC	ACTTCTGGAG	ACATGGGTGT	CTACTACATG	GTCGTGTGCC	TGGTGGCCTT	660
CACCATCGTC	ATGGTCCCTG	ATATCACCCG	CCTGTGCATG	ATGAGCAGCC	ATCTAAAGAA	720
GACTGAGAAG	GCCATCAATG	AGTTCTTTAG	GACCGAAGGT	GCAGAGAAGC	TGCAGAAGGC	780
ATTTGAGATC	GCCAAAGCGCA	TCCCCATCAT	CACCTCCGCC	AAAACCTCTAG	AGCTTGCCAA	840
AGTCACCCAG	TTCAAAACCA	TGGAGTTCGC	CGGCTACATC	GAAGAGCTTG	CCAGGAGCGT	900
GCCTCTGCCG	CCTCTCATTA	TGAAGTGCAG	GACTATCATG	GAGGAGATTA	TGGAGGTGGT	960
TGGGCTGGAG	GAGCAGGGGC	AGAATTTTGT	GAGGCATACT	CCAGAGGGCC	AGGAGGCCGC	1020
AGACAGGGAT	GAGGTCTACA	CAATCCCCAA	CTCTCTGAAG	CGGAGCGACT	CCCCTGCCGC	1080
TGACTCGGAC	GCCTCATCGC	TGCACGAGCA	ACCTCAGCAA	ATTGCCATCA	AGGTGTCAGT	1140
TCACCCGCAG	TCCAAAAAAG	AGCATGCAGA	TGACCAAGAG	GGTGGACAGT	TTGAAGTCAAL	1200
AGATGTAGAG	GAGACAGAAC	TGTCGGCGGA	ACATTCCCCC	GAAACTGCAG	AACCTTCTAC	1260
CGATGTACAG	TCCACCGAGC	TAACATCTGA	AGAGCCAACA	CCTGTTGAGG	TACAGATAA	1320
GGTACTGCCG	CCAGCTTACC	TGGAAGCCAC	AGAGCCAGCA	GTGACACATG	ACAAAAACAC	1380
CTGCATTATT	TACGAAAGCC	ATGTCTAATA	CCAACCCCGA	AAAGCTATGC	ATATCAAGAA	1440
AATCAGGGGC	TGCTCCTTGT	AATACAGATG	TAGTACGCAC	TTGCCGCTAA	GCCTTACCAG	1500
GAGACTCTCA	TCCCTTAGGT	AGGAGTGATG	CCACTTTAAA	AGGAGAAACA	CCTGCCTGCA	1560
GTGAATGGGA	CTGGAATTTT	CCCAGTAGAG	AAGGGTGCGA	GAAACATCAG	GGTGCAGAAT	1620
TGATACCAGA	CAGAAGGTGT	CTATGTGATA	ATGAGTTTCA	GAGGCTGATC	TCTGCCAAAT	1680
ACCTTAATTG	GTGATGCCTT	CTTGGCAAAG	AGTACACCAC	TGTAAGATAT	TCTGAGTTCA	1740
AGAACCCTGT	CCAGTGCCCC	CTGCATTGCT	TTTCCCTTTA	AAAAGTATAG	GTCTGCTACA	1800
ATAGCAAATG	CACGTACGTG	GGTTTTTTGC	AGTTTCTTCT	CAGTTTTTAAT	TTTGTCTTTC	1860
CTTTATAATG	GGGTCAATTG	TATTAATACT	AATTGTTCTT	TCTGGTTTAT	TCCTCATTGC	1920
CACTTTTTGT	CTTATGTTTC	CCTAGAACAC	GTACCTCAGA	GACTTTGGTA	TCAGTCACCA	1980
GTACCAGGGC	TGATATCTAC	AAGTCACATT	ACATTTGTCA	TGTTCCAAAG	TAGTTACGAG	2040
GCTTGTTATT	TTTTTTTCAT	TCCCCAGGCC	TATTTCCATA	GATAGCTTTT	TTTGTGTTT	2100
TCCAACGAAG	CTGCTGTTAA	ACGAAACTGA	GAAAAACTTT	GCCCCGGAAT	AGCACTTTAA	2160
TAGTCAAAAA	TGTGTTTACC	TGTCTGATTG	AGTGAGCCTT	TTGGTGAGCT	CAGCTGAGAT	2220
GTAGAGGGAG	ATTGTAAAAG	GTTAAATATA	CCCACACCAC	CCATGAAAGT	CAGTGTAAAT	2280
GTTACATCAT	CCTCCAAATA	AAGACTGATT	CTTTACCTGG	AAAATATATT	GCTTCCAAAG	2340
ACATCAGATT	CAGTGGATTG	CTGTAGGTTA	TAGAATATTG	GCTTCCAAAC	AGGCTTGCAG	2400
GGACCATATG	CTGTTGGATG	ACATATAACC	AGGTCCACTT	TTATGAACTG	CATAGCTGAC	2460
TTGGTTGTCC	TTAAAGAGGA	AAGCGAAAGG	TTAGGGTAAT	AGCAAAGGGA	ACTGTGCCAT	2520
CAGATTTTAT	GCCAAAACCTG	TTGAATAATT	ATGCAGTCCT	GCAAGAAAGT	GGTTATATGT	2580
GAGGTGCGTG	ATGTTATGGA	AAGAAGACAA	AATTAGTCAT	CCAAAGGCTT	AATACCCACT	2640
GTGCCAATAA	CCAGCTGCCT	GGCTTTGGAC	AAGTCTGGAC	CTCAGGTCCC	TTATCTGTAG	2700
AAGGGGCAGA	TGACATGAGC	TCTGAGCACT	GTTGAAATGG	TATCACTGTC	ACACAGAACC	2760
AAACCAATAT	TCACATCCTT	GCTCCTTTTC	ACAATGACTT	TAAAGATTTT	TGCTTTTCAT	2820
TCTTGGTCCA	CCTAACATTT	TCATGCTTCA	TTACTTAAAT	AAGAATGTTG	GTTTTGAGAA	2880
ATAGCATTTT	AAACAAATTG	TGGATCTTCT	CCTTCCAAAA	AAACCATTAG	GACCACATCT	2940
GCAATTAAGA	TTTAATATTG	GTGAGAATGA	GTGGTTTTAT	TTAATTTTCC	CTTAAAGCA	3000
AAGGAGACAG	TAATCTTAAT	AAATTCATAG	GGGCGGTGGC	CACATCAGGT	AATGGGGTTA	3060
TGATGTCCAA	GATTGCATGG	ATCACATTGG	TGATGAGAGC	AGACCCAGAT	GTTAGTCTCT	3120
CACCTGTGTC	CCATCTGAGG	AGGTGACCTT	GGACAACCTC	CTTCCTCTCT	CTGGGATTTA	3180
ATCTTTTTTC	TCTGTAAAAAT	ATGCAGGTAG	TACTCGAGGG	TCTACAGGAT	CCCTTCTAGT	3240
TGAAACATTT	ATAGTTCACA	GAAAGTTTGC	AGTCTTCCAG	GATAACCAAC	CCCCGTGCA	3300
TGAGACAAGC	AAAAAATGGG	TCCATGAAAT	TGGATACTTT	TGCCATCCAA	ACTTTACAA	3360
AAACATTATC	TGGCTCTGTA	ATTGAGAGCA	GTGGGCTTGG	TTTTAAACCT	AGCCTTGATT	3420

162

AGTTTGTTTA TAGATAACTG TTGTGGAAGG TGATAGAAGT AGTCATGGAG TTTGATGAGA3480  
 CATCTCTTGA AAAGGACTGA ACTGTTGACT TCTGGTTAGA AGTGCTTTGG GCAGTCACAT3540  
 AAAGAAATGA GCAGTGAGAA ATCAGGAGAA ATTATGACTC CTGTTGGGCT TTCTGGACTA3600  
 GCATTGTATG TTTTGGGTT GCAGAAAAGT TTTAACACCA CCTCTTAGAA TATAAAAAT3660  
 TTCCAGTTGT CATGGAGGTC CACAGATTCA TTACCATGGG TTTATATGCC CAAAGCAACA3720  
 ACAGAGGACT TAAGTTCATT TTGTGATACT GTATGGATGT TACCCCATCC TATTCAAGTTG3780  
 TCATTCCACC CAAACCCATG TGTAGGTTTC CACATGGAAA GGAGAAGGCA TCCATTCCAC3840  
 CTAGACATTG AATAGTGATA ATAAGCTAAA AGTGGGCAGA TTTTCAGTGG AGCAAGAGCA3900  
 GAAATATGCG GCCAAAGAAT GTTTCCTGAT TGGTTTTGCT GCTTTAGACT GCAGTGGGGA3960  
 GAGCTTATGT AGATTTTCAA AACTTTCTCC CTCTTTAAGG CATCATAATG CTCTCGGTTT4020  
 TGATAACAAC TGACATAAAG GGAGGTTGAC TTAAAATGGG AATTTCTCCT TCCAAAAATG4080  
 CTACACTCTT CCTATCCATC CTACAGCTTC TTTATGAAAT GAGAGGCCCT CCTGCTAGAA4140  
 TATGAAATGC AGAAGACCTC ATGACTTTCA GCTGATTTTT CAAAGATAAA GTGAACTGTT4200  
 CAGCTTCATA GAAATTCATG CGAGTGTGAC TGAACGTGTG TGCATACACA CTCGTGCACA4260  
 TTGGACTCAT TTGGGCAGTT TTAAGAGCTT CACACTAAAT CCAAAGCCTC GTCCTTTGGG4320  
 TCGTATGTAG TCGTTGTAA AATCAATTTT TGGCTTCTGA GTCATCCTGG TCATATCTCT4380  
 AGCAATGTTT TTCTTGAAAT TCTGAAAATG ATTACATAT GTGTGTACAT TTAATTCAT4440  
 TAGATGATCT GTAAACTTGG ATGGTATTTA TTCTAAATGG GGAAAACAAT TTTATATGGA4500  
 AAAATCTATG TAATTTATAA TGGTTTTGTT TTATATATTA TATTTTCATA TCTCTAGGGC4560  
 ACATCTATCC TCATCTTTTT GTATACCATA CTATGCAAAA AGAATACTA ATACTTGACT4620  
 AAAATCTCTA GGAACCAAC GTGATACATG TGATATATAG CTTCTAGAAA TCGCTCTAAA4680  
 AATCTCTGAA TGTCTCATCC ATCCCAAGCA TTATTGTGCT GTGTCATTAT GTCCAGAATG4740  
 ATTTGTCTTG GATGCTTATG AGCATTGTGT TTTCACAACT AAGGTTGAAA GACCTGACAT4800  
 CTCACACAAT GGGGTTCTGG AATTCCTCTT TCTCCTTTA TCTGTTTTTA TTGTTTGT4860  
 CATTTTTAAT TGCACCAGTC TATGTTGTGCG AAACCTTTGT TTGAAGGGCA AATGTGAGAT4920  
 AACAAGAAAG CAATGTGATG GAAAGACTGG ATGAATTTAC CTATGGCTAT GTAAATTATT4980  
 TTAATGGACT GATAAGATGT TTCAAGTCTC ATGCTTGGAT CTTTATTTAT TGGTGATCTA5040  
 GGATCTGCTC AGCTCTTTAG CACATGAAGA AAATCAGGTA CAAAGGACAT TTGCATGTTT5100  
 GGAACAGCAT GCTCTAAGCC CCGTGCAGCC AACACAAAT AACTTGACTG TAGAAACACC5160  
 AATTCCAGCT GCTGGAAGAA ATGGTTTAGA AAGGCAAACC AGATACCTTT TATTCTGCCC5220  
 TAGGAAATAC AGTGTGATC AGTGCTAAAA CTCTTCAGTG GCAGTCACTG TGGTTCTTTT5280  
 AACTGGGGAT TTCCTTTCAG TGTTTCATTT GGTACCAAAA CAGAACATTT ACCTTACATT5340  
 TCAGATACTC TGTTTTCTCA GCATTGTTCA GATACTTTCC TTTACCGCTC TTCACGTACC5400  
 CTTTTGGCAT TGAGTAATTC TATAAATGTT TCTATCCTTG GTTTTTAAAC CAAGTTATTC5460  
 ATACTCTTAA AATATCTACC AAATCTCATT GTATTTTCAC ATATTTTGAG CATCAAGATA5520  
 CTGGTCATTT TAAAAAATCC TTCAGTAAAT AGCACAGTTT ATTTTCCTAA TGACATTTT5580  
 AGGGTTTCTT CATTGATCAA CCAGGTTTGG GTTACACAAA TCAATTGTGG GGGAAAAATC5640  
 AAATAAAACA ATTGCTTATT ATATTTTCCA AAGGACTGAG CATTTATCTT TTATTACGA5700  
 AGATATCATA TGAGGATGAT AATGATCTTT AACAGATTTT TTAGAGATAG AATTTATAAA5760  
 GAGGCTGATA CTAAGAATAC TACAATCAAA ATTGAAGCTA GAGAATGTAA AAATAGAAAG5820  
 TAAATAGTTC TAAGAATATT CTGGCATAAA TTATTTTTAT TTAGCCAATA AAATAGCCTC5880  
 CAAATGTATA TCTCAGACAC CATAGAGCTG CTAACAATGA GAATCAAGGA AGATGCTTGC5940  
 ACTTAGATTT CGTTTGTTGT ATTTTCAGTAG TTCTGGATGT CCTTTGTAA AATTGGAAA6000  
 TGGAAAAATG TCTCGACAGA AATGTCAATC TGGTGATTCT GTGAACGTGA AAATGTTTAC6060  
 TTTTAAAAAT AAAGTTGTAA ACAAGTTACT CATATAAGTT GGTATTACAG TAGCAAAAAC6120  
 AGAAAACCAT GTGATCCATC CTGTATTTTG ATTGATGCTT TAATAAAGGG TTTGCACAGC6180  
 TGTG 6184

Name: 265

Len: 4959 Check: 2395

GAGGTGGCGA CCTCACAGTC CTGATGGCCC TCGTTCTGCA GGCTGGCGGG AACACATGGA 60  
 ACACAGTCGG AGGTTTGAGT TTGATTTTCG AGATAGAGAT GATGAACGGG GTTACCGAAG 120  
 GGTTCTGCTCT GGCAGTGGGA GCATAGATGA TGACAGGGAT AGCTTGCCCC AATGGTGCTT 180  
 AGAGGATGCT GAAGAAGAAA TGGGTACATT TGACTCATCT GGAGCATTC TTTCTCTAAA 240  
 AAAAGTACAG AAAAGAGCCTA TTCCAGAAGA GCAGGAGATG GACTTCCGGC CTGTGGACGA 300  
 AGGGGAGGAG TGCTCTGACT CTGAGGGTAG CCAATATGAA GAGGCCAAAG AACCCGATAA 360  
 GACAAATPAG AAAGAAGGAG AGAAAACAGA TAGAGTAGGA GTTGAAGCTA GTGAGGAAAC 420  
 TCCCGAGACC TCATCATCAT CTGCTAGACC AGGTACTCCT TCAGACCATC AGTCTCAGGA 480  
 AGCATCACAG TTTGAGAGGA AAGATGAACC AAAAAGTGA CAAACGGAAA AAGCTGAAGA 540  
 GGAGACTCGG ATGGAAAATA GTCTACCAGC CAAAGTGCCC AGCAGAGGGG ATGAAATGGT 600  
 TGCTGATGTC CAGCAGCCCC TGTCGAGAT TCCTTCAGAT ACAGCCTCTC CTCTTCTCAT 660  
 ACTTCCACCT CCTGTTCCCA ATCCTAGTCC TACTCTCCGG CCAGTTGAAA CACCAAGTTG 720  
 AGGTGCTCCT GGTATGGGCA GTGTTTCCAC AGAACCTGAT GATGAAGAAG GTCTCAAACA 780  
 TTTGGAGCAG CAAGCTGAGA AAATGGTGGC TTATCTCCAA GACAGTGCAC TAGATGATGA 840  
 AAGATTGGCA TCAAACTGC AAGAGCACAG AGCTAAAGGA GTGTCGATT CATTGATGCA 900

163

TGAAGCAATG CAGAAGTGGT ATTACAAAGA TCCTCAGGGA GAAATTCAAG GTCCCTTCAA 960  
TAATCAGGAG ATGGCAGAAT GGTTTCAGGC GGGCTATTTT ACTATGTCTT TATTGGTGAA1020  
GAGAGCGTGT GATGAAAGCT TCCAACCTCT TGGCGATATC ATGAAAATGT GGGGAAGGGT1080  
TCCCTTTTCT CCAGGTCCAG CTCCCCCTCC TCATATGGGA GAGCTGGACC AGGAACGACT1140  
GACCAGGCAG CAAGAACTCA CAGCCTTATA CCAGATGCAG CACCTGCAGT ACCAGCAGTT1200  
TTTAATACAA CAACAATATG CACAGGTTTT GGCCCAACAG CAGAAAGCAG CACTGTCTTC1260  
CCAGCAGCAG CAGCAGTTGG CACTTCTTCT TCAACAGTTT CAGACCTTGA AGATGAGAAT1320  
ATCTGATCAG AACATCATT CCTCAGTAAC TAGGTCTGTG TCCGTGCCAG ATACTGGCTC1380  
TATCTGGGAG CTTCAGCCAA CAGCTTCACA GCCTACAGTT TGGGAAGGTG GTAGTGTATG1440  
GGATCTTCCT CTGGACACCA CGACACCAGG CCCTGCCCTG GAACAGCTTC AGCAGCTAGA1500  
GAAGGCCAAA GCTGCAAAGC TAGAGCAAGA GAGAAGAGAG GCAGAAATGA GGGCAAAACG1560  
GGAAGAGGAA GAGCGAAAAG GGCAGGAAGA ACTCCGAAGA CAACAGGAGG AAATTCTTCG1620  
GCGACAGCAG GAAGAAGAAA GGAAGAGGCG AGAGGAAGAA GAACTTGCCC GAAGGAAACA1680  
GGAAGAGGCT CTGCGTCGCC AGCGGGAGCA AGAAATTGCA TTAAGGCGAC AGCGAGAAGA1740  
GGAAGAAAGA CAGCAGCAAG AAGAAGCTCT TAGAAGACTG GAAGAGAGGA GAAGAGAAGA1800  
GGAAGAAAGG CGGAAGCAGG AAGAATTGTT ACGCAAACAG GAAGAGGAGG CTGCAAAATG1860  
GGCCCGGGAA GAAGAAGAAG CCCAGCGTCG ATTAGAGGAG AACC GGCTGC GGATGGAAGA1920  
GGAGGCAGCC AGACTCCGGC ATGAGGAAGA AGAAGGAGG AGAAAAGGAGC TGGAGGTCCA1980  
GCGGCAGAAG GAGTTAATGC GCCAGAGGCA GCAGCAGCAA GAGGCTCTCC GGAGGTTGCA2040  
GCAGCAGCAG CAGCAACAAC AGCTGGCSCA GATGAAGCTT CCTTCTTCTT CAACGTGGGG2100  
CCAGCAGTCC AATACAACAG CATGTCAATC CCAGGCCACG CTGTCTGTGG CTGAAATCCA2160  
AAAAGTAGAG GAAGAAGCAG AACGGCAGCT TCGAGAAGAG CAAAGGCGCC AGCAGAGGGA2220  
GTTGATGAAA GCTCTTCAGC AGCAGCAGCA ACAGCAACAG CAGAAACTCT CAGGTTGGGG2280  
GAATGTCAAG AACCTTCAG GTACCACGAA ATCTCTCTG GAGATCCAGC AGGAAGAGGC2340  
CAGGCAATG CAAAAGCAGC AGCAGCAGCA GCAGCAACAC CAGCAACCAA ACAGAGCTCG2400  
TAACAATACG CATTCCAACC TGCACACCAG CATTGGGAAT TCTGTTTGGG GCTCTATAAA2460  
TACTGGTCTT CCTAACCACT GGGCATCTGA CCTAGTCAGT AGTATTTGGA GTAATGCTGA2520  
CACTAAAAAC TCCAACATGG GATTCTGGGA TGATGCAGTG AAAGAGGTGG GACCTAGGAA2580  
TTCAACAAAT AAAAATAAAA ACAACGCCAG TCTCAGTAAA TCTGTAGGTG TGTCTAACCG2640  
GCAGAATAAG AAAGTAGAAG AAGAAGAAAA GTTGCTGAAG CTCTTTCAGG GAGTAAATAA2700  
AGCCCAAGAT GGATTTACGC AGTGGTGTGA ACAGATGCTT CATGCCCTTA ATACGGCAAA2760  
TAACTTGGAT GTTCCCACAT TTGTTTCTTT CCTGAAAGAA GTAGAATCTC CTTATGAGGT2820  
CCATGATTAT ATCAGGGCCT ATTTAGGAGA TACTTCTGAG GCCAAGGAGT TTGCCAAGCA2880  
GTTCTTTGAG CGCCGTGCCA AACAGAAAGC CAACCAGCAG CGTCAGCAGC AGCAGCTGCC2940  
ACAGCAGCAG CAGCAGCAGC CGCCACAGCA GCCGCCACAG CAGCCACAAC AGCAGGACTC3000  
TGTGTGGGGG ATGAACCACA GTACACTCCA TTCAGTATTT CAGACCAATC AAAGCAACAA3060  
CCAACAATCC AATTTTGAGG CTGTGCAGAG TGGCAAGAAG AAGAAAAAGC AGAAGATGGT3120  
CCGAGCAGAT CCCAGTTTAT TAGGATTTTC AGTCAATGCA TCATCGGAGC GACTCAACAT3180  
GGGTGAAATC GAGACGTTGG ATGACTACTG AGCACCTGCC AGTGGACTGG CCATCCCTCT3240  
CCTGTCTGCC GACTATGGAG TCTCCACCTT TGGACACAAC ACTTACTCAC CATTTACTCT3300  
TTATCACTCT GCAACAAATC ACAGAACCGA TCATCTCAGG CTTTTTCTTC TGGCCCTTTG3360  
TGTCCAAGAT TCTTTAATCC ATTTTGTGTG GTGAACATCT CAGACTATAG ATAAGTGGAC3420  
TGGACCCTGT GTCTTGGGGG TGGCAGTTGG GATTACTCCC CAACAAGGCT GATTTTAGGC3480  
AGCATGTGTT CACTGTGCTG TGATTTTCATC TACTGTCTCC CAGAAAGTGT GTTGGGATCG3540  
GCCATTAGCA GCTTGCTTTC TCTTGTCACT TTTTTCTTC TATTTTGTTC TTTCTTCTTC3600  
TTTTTCCCCC CATCAGGGCA AATGGTCTAA CTGGTGCAAT CATGAAGAGA GTTAATGGTT3660  
AACAGACATT GGCCAATAAC AAAACACCCC ATGGACTGTG ACTCGAGTAT CCAACAGGCA3720  
GTCAGAGCTC TCCCGGTCTG AAAGTTGCAT TGCCACTGCT AACTTTGGGA TTGCATCAGA3780  
GAGGCCCTGA GTGGGGTTGA GATGAGGTTG GTTTGGTTTG ATGTTACACA CTCCTCACCT3840  
GTTCTTTCTG AGTGTCTTTC CTCTGAAAGG ATTTATGTTT TTCTTCGTTA GATAGTGAAT3900  
TCTGAGCAAG CTGATCTCCC CTGGCATGCT CCAACCTGAT TGGACAAAGG AAGCTCTATG3960  
GCCTGGGAGA GAGACTATTC TTAATTTTTT TTTCTTACAA AAACCTGATT TTTCCATAAA4020  
TATTTTTACT TCAGAGGACT AGGACCATTT TGTTTTGGGC CCTTCTGCTG AAAATTTGTC4080  
TCGTTTAAAG GGCAGCTAGA ATCTTTACCA TATGTATGAA TTTGTATAAT TTCATTTTTG4140  
CATAGGGATA AACTTTTGCT TCTGATAAAA GCCTGGAATT TCATCTGGTC CTCAGAGCAT4200  
TGCGTGTGTG TCTTGTGTG GCGCGGAAAA GGTTTTGTGT AAAGATTCTG GGATGGCAAG4260  
TTGTTTGCCT TTTCTGAAAA GAGAACATAC AGAACCTGTC CATCTTTAAG ACCTTCATCC4320  
ATGGAATCTA CTATACAGGA GGATGCAGTG GGCTGGAGGG GATGGGCGAA AATGGGAGCA4380  
GGAAGCCTTG CCTGGCTTCT GGTCAATGGC TCCTAAAACC TTAAACTTCA AGTAGAAATG4440  
TACTCAAGCC CTATTTTATA ACAAATACTT TTCCTGCCTC CACCAAAACC CTACAGAACA4500  
TCACCTGGAA TTGCCACTCA CACTGGGTTG GAGTCATTGG GCAGCTGTGC CTGTGCGAGA4560  
GGTGCTGTGG TCTGGGCAGC CCCTGGAAAA GCACCTTTGC TGCCTGTCTG TGTGCTCTGA4620  
AGAAGGCTGG AGTTGCTCTG AGAGCAGTTT GGGTTTGGAG TATTATATTT GGCTTCTATT4680

164

TTTTATTATTT TGGATCACCA TTCTCCCTAT CCCTTCTTGC CTCCCTCCCT TCTAAACATG4740  
TGTAATAACT ATACAGAGAC TGCTACAAAA TTGTATATAG TTTTGGATC AAATAGCATG4800  
AGGGGAGAGG AAACCATTAA AAGTTGGGGC TCCTACTCTC CTTTGCTTTG TAAATTCAAA4860  
AGTTGGGGGT GGGTAAGAGG GATAGTTAAA ATGTTTACAA AACTTTAGGC TCCCTCGGAA4920  
CTTTTGCCAG TGTGGAGGAA AATAAAAAAG AACTTAAAT 4959

Name: 266 Len: 5676 Check: 1D2F

GGATCCTTGA GGGCACTGGT GCGACTTTCA GGTGAGGTCT TAGCAGATGA AAGCGGCTGG 60  
CTGTGGCCCC CGCCAGTAGT GCTTTCTGCT CCGCACTCGC CGTGAGCCAG GTGTGCAACC 120  
GGATTTGGGG CGAGGGTTCG GCTGGCTACC TCGCATGCGC AGAGCCGGAA GCCCGCTGAC 180  
CGGACTACAG CTCCCAGAAG AGCCTTGTGG AGGCCGCGA CGCGAAGCCG CTGGCGCCAT 240  
CTTGAAATCT GATCCTCCAT CCCCAGGCT TTGCGTCTGC GCGGCCGGCC GCTGCTGCTC 300  
CGGGAGCCCC GTCTGCTAAA AGGGGAGGAC GGTGAGGACG CGGCGGCTGG CGGGAGAGAC 360  
AGCTGGGGAG AGACATGGCA GGGTCGGAGC GCGGCCTGCG CCTCTGTAC TCAGCATCCT 420  
CTTAGCGGTT TCCACGCCCG CCCCCTGCCC GAGGGGCGGG GCTGACGGCT CTGGTACCCG 480  
GAGTCGGCGC GCGGGGCGAG GCGCGCGCCC TGCAGAGTGG GGACCCCACT GGGCTGTGCC 540  
ATGCTGACCG GAGACCACCG AGGCGGGAGA CAGAGCGCGG CGAAGAGCCA TTGAGTGCTC 600  
ACCCAGTAGC CGCCGCGGCC GCGCCTCGG GAAGCTTGCC ACCCGCTAGG AGGGAAGATG 660  
AAGGAGATTT GCAGGATCTG TGCCCGAGAG CTGTGTGAA ACCAGCGGCG CTGGATCTTC 720  
CACACGGCGT CCAAGCTCAA TCTCCAGGTT CTGCTTTCG ACCTCTTGG CAAGGATGTC 780  
CCCCGCGATG GCAAAGCCGA GTTCGCTTGC AGCAAGTGTG CTTTCATGCT TGATCGAATC 840  
TATCGATTCT ACACAGTTAT TGCCCGGATT GAAGCGCTTT CTATTGAGCG CTTGCAAAAG 900  
CTGCTACTGG AGAAGGATCG CCTCAAGTTC TGCATTGCCA GTATGTATCG GAAGAATAAC 960  
GATGACTCTG GCGCGGAGAT CAAGGCGGGG AATGGGACGG TTGACATGTC CGTCTTACCC1020  
GATGCGAGAT ACTCTGCACT GCTCCAGGAG GACTTCGCCT ATTCAGGGTT TGAGTGCTGG1080  
GTGGAGAATG AGGATCAGAT CCAGGAGCCA CACAGCTGCC ATGGTTCAGA AGGCCCTGGA1140  
AACCGACCCA GGAGATGCCG TGGTTGTGCC GCTTTGCGGG TTGCTGATTC TGACTATGAA1200  
GCCATTTGTA AGGTACCTCG AAAGGTGGCC AGAAGTATCT CCTGCGGCC TTCTAGCAGG1260  
TGGTGACCA GCATTTGCAC TGAAGAACCA GCGTTGTCTG AGGTGGGCC ACCCGACTTA1320  
GCAAGCACAA AGGTACCCCC AGATGGAGAA AGCATGGAGG AAGAGACGCC TGGTTCCTCT1380  
GTGGAATCTT TGGATGCAAG CGTCCAGGCT AGCCTCCAC AACAGAAAGA TGAGGAGACT1440  
GAGAGAAGTG CAAAGGAACT TGGAAAGTGT GACTGTTGTT CAGATGATCA GGCTCCGCGAG1500  
CATGGGTGTA ATCACAAGCT GGAATTAGCT CTTAGCATGA TTAAAGGTCT TGATTATAAG1560  
CCCATCCAGA GCCCCGAGG GAGCAGGCTT CCGATTCCAG TGAAATCCAG CCTACCTGGA1620  
GCCAAGCCTG GCCCTAGCAT GACAGATGGA GTTAGTTCCG GTTTCCTTAA CAGGTCTTTG1680  
AAACCCCTTT ACAAGACACC TGTGAGTTAT CCCTTGGAGC TTTCAGACCT GCAGGAGCTG1740  
TGGGATGATC TCTGTGAAGA TTATTGCGG CTCCGGGTCC AGCCCATGAC TGAAGAGTTG1800  
CTGAAACAAC AAAAGCTGAA TTCACATGAG ACCACTATAA CTCAGCAGTC TGTATCTGAT1860  
TCCCCTTGG CAGAACTCCA GGAAAAATC CAGCAAACAG AGGCCACCAA CAAGATTCTT1920  
CAAGAGAAAC TTAATGAAAT GAGCTATGAA CTAAAGTGTG CTGAGGAGTC GTCTCAAAAG1980  
CAAGATGGTA CAATTGAGAA CCTCAAGGAA ACTCTGAAAA GCAGGGAACG TGAGACTGAG2040  
GAGTTGTACC AGGTAATTGA AGGTCAAAAT GACACAATGG CAAAGCTTCG AGAAATGCTG2100  
CACCAAAGCC AGCTTGACA ACTTCACAGC TCAGAGGGTA CTTCTCCAGC TCAGCAACAG2160  
GTAGCTCTGC TTGATCTTCA GAGTGCTTTA TTCTGCAGCC AACTTGAAAT ACAGAAGCTC2220  
CAGAGGGTGG TACGACAGAA AGAGCGCCAA CTGGCTGATG CCAAACAATG TGTGCAATTT2280  
GTAGAGGCTG CAGCACACGA GAGTGAACAG CAGAAAGAGG CTTCTTGGA ACATAACCAG2340  
GAATTGCGAA AAGCCTTGCA GCAGCTACAA GAAGAATTGC AGAATAAGAG CCAACAGCTT2400  
CGTGCTGGG AGGCTGAAAA ATACAATGAG ATTCGAACCC AGGAACAAA CATCCAGCAC2460  
CTAAACCATG GTCTGAGTCA CAAGGAGCAG TTGCTTCAGG AATTTCCGGA GCTCCTACAG2520  
TATCGAGATA ACTCAGACAA AACCTTGAA GCAAAATGAAA TGTGCTTGA GAACTTCGC2580  
CAGCGAATAC ATGATAAAGC TGTGCTCTG GAGCGGGCTA TAGATGAAAA ATTCTCTGCT2640  
CTAGAAGAGA AAGAAAAAGA ACTGCGCCAG CTTCTGCTTG CTGTGAGAGA GCGAGATCAT2700  
GACTTAGAGA GACTGCGCGA TGTCTCTCC TCCAATGAAG CTACTATGCA AAGTATGGAG2760  
AGTCTCTTGA GGGCCAAAGG CCTGGAAGTG GAACAGTTAT CTACTACCTG TCAAAACCTC2820  
CAGTGGCTGA AAGAAGAAAT GGAAACCAA TTTAGCCGTT GGCAGAAAGG ACAAGAGAGT2880  
ATCATTACAG AGTTACAGAC GTCTCTTCAT GATAGGAACA AAGAAGTGA GGATCTTAGT2940  
GCAACACTGC TCTGCAAACT TGGACCAGGG CAGAGTGAGA TAGCAGAGGA GCTGTGCCAG3000  
CGTCTACAGC GAAAGGAAAG GATGCTGCAG GACCTTCTAA GTGATCGAAA TAAACAAGT3060  
CTGGAACATG AAATGGAGAT TCAAGGCCTG CTTGAGTCTG TGAGCACCAG GGAGCAGGAA3120  
AGCCAAGCTG CTGAGAGAA GTTGGTGCAA GCCTTAATGG AAAGAAATTC AGAATTACAG3180  
GCCCTGCGCC AATATTTAGG AGGGAGAGAC TCCCTGATGT CCAAGCACC CATCTCTAAC3240  
CAACAAGCTG AAGTTACCCC CACTGCGCGT CTTGGAAAAC AGACTGATCA AGGTTCAATG3300  
CAGATACCTT CCAGAGATGA TAGCACTTCA TTGACTGCCA AAGAGGATGT CAGCATACCC3360  
AGATCCACAT TAGGAGACTT GGACACAGTT GCAGGGCTGG AAAAAGAACT GAGTAATGCC3420

165

AAAGAGGAAC TTGAACTCAT GGCTAAAAAA GAAAGAGAAA GTCAGATGGA ACTTTCTGCT3480  
 CTACAGTCCA TGATGGCTGT GCAGGAAGAA GAGCTGCAGG TGCAGGCTGC TGATATGGAG3540  
 TCTCTGACCA GGAACATACA GATTAAAGAA GATCTCATAA AGGACCTGCA AATGCAACTG3600  
 GTTGATCCTG AAGACATACC AGCTATGGAA CGCCTGACCC AGGAAGTCTT ACTTCTTCGG3660  
 GAAAAAGTTG CTTCACTAGA ATCCCAGGGT CAAGAAATTT CAGGAAACCG AAGACAAACAG3720  
 TTCTCTGCTG TGCTAGAAGG ACTAGTAGAT GAACGGAGTC GGCTCAATGA GGCCTTACAA3780  
 GCAGAGAGAC AGCTCTATAG CAGTCTGGTG AAGTTCCATG CCCATCCAGA GAGCTCTGAG3840  
 AGAGACCGAA CTCTGCAGGT GGAAGTGGAA GGGGCTCAGG TGTTACGCAG TCGGCTAGAA3900  
 GAAGTTCTTG GAAGAAGCTT GGAGCGCTTA AACAGGCTGG AGACCCTGGC CGCCATTGGA3960  
 GGTGCAGCTG CAGGGGATGA CACCGAAGAT ACAAGCACTG AGTTCACTGA CAGTATTGAG4020  
 GAGGAGGCTG CACACCATAG TCACCAGCAA CTATAGCTTC AGAAGCATTT TTAATTGCAA4080  
 GACGATGGAC ACATTCCOOT TGGGCTTTTT GTAAGTGAAG CGCAACACAG AAGACAGGGA4140  
 GTCATCGAAG GGCTGCTCGG GGAGGTGGCA GGGCGGAGGA CCTGCTTGGG AAGAACTCC4200  
 AAGAAGATTG GAATGCTTCC AAAGCAAGAA TCTTTCTCAG TGAAATCTCA TTATACAAAG4260  
 AGAACCTTAT GCAACCTGAC AAACCACTGA GGTCTAGGTG ACTCAGTGAT CAGCAGATGG4320  
 TACTTCAACA GCAATCCCTT GTCAAACCTC AGAAGTGGAG GCTGAAACAT TGCTTCCACC4380  
 CACCATCAGT CAAGATGTAA CTAGCATGTT ACAAGAGTGA ATAATCTGGA CTCAGAGAT4440  
 TAAGTCAACA ATAGTGATCT CACAAGCACT CACCGGAAGT CCTATAATGT CTCCACTTTG4500  
 TCCATGCCAT TTAGCAATCT CATCTCCTAA ATGGACTGTG CCTATGATTC TTAAGGAGAA4560  
 AGTGAATCAT TGGTAGATAT CCTGCACAAG CAGCTGGACT TTCCAGTAAT AGCTTTCTTG4620  
 GGGCTATTAG GAAAATTAAA CAAGAAATGA GGCTTTCTGG GTCTGCCTGT ATGTCTTCTG4680  
 CATAAGACAA AGAAGAGACA TCGAATCAAC CAATAAGAA AGCCCAAATA AGCATCCTCA4740  
 AATCTTTTGG GATTTGGCAC TTGGGGACAT GAGTAGTTGT CTGGGATACG TCATATTCTC4800  
 AACAGTTTCT TTGTAGTAGT AGGATCACCT TCTTATAATA GGATCACCTT CTTGTTGCTA4860  
 TAGCTGTACC CGACCTTCCC TTCTCCCTTG AGTGCTTGCA TGAGCTCCAC TTTTCTTTT4920  
 GCTTGAACAG CTTCTCCTGA GTCCTCCTTA CCGATGGTTG TGACTTTAAT TATATACATC4980  
 TCTGTCCCTC CAGACAGATC CCTCTGTCTT CACTCTCTGA TTTCTTGGG GATCTTGGG5040  
 GAGAGAGAGG GACCTGCAGG ATGAACAAAT GTCTACTCTA AGACAGCTAG ATTGGGAGGT5100  
 TGGCTGGTCA CTGATGGTTA TAATGACTGT GGGACAGGAT TAACTTCAGA ATAAATGAAC5160  
 AGGAGACACA GATATGAAGA AAGTTTCTGA TTGATATGGT CTGAAGTACT CCTGGTATTG5220  
 CAAGTCATTT GCTCTAATTC TCAATTGTAG GCAAAAGTAT TTGTAAATTT GCTTCTTCAG5280  
 COTTCTTTCC TGTAGCCTAG CATGGAGAAT CTGACCAGAC CCCATTTTGA GAAGGTACGC5340  
 CTACACTGGA ATGAACCTTT TACATTAGGG CATTGTATT TCCCTCACAA TACTTGCCAC5400  
 ATTACTTGGC ATAGGAGAGA TGCTTAGTGT AATTATAAGT TAACAAGCCT TTGGATCAGG5460  
 GCTTGACTCA TGATAGACAA AGTATATGCC TGCTGGATGG AAGAATCTCT TGGGCGAGCA5520  
 CCATTTTCTT TTCCATCACC TTTCTTTGAA AATATACTT CAGCTTTGGG TAGGAGGAAT5580  
 CTTGGTGTAT GAAATCATTG CAAATTTACT TCATCTTTTC TGGAGTTTGA AGTTGTGACT5640  
 CTCCTGCTAC CAATTAAATA AAGCTTACTT TGCCAT 5676

Name: 267

Len: 2483

Check:

C86

TGGAGTTTGA CTATTCTGAG GACAAGAGTA GTTGGGACAA CCAGCAGGAA AACCCCTC 60  
 CTACCAAAAA GATAGGCAAA AAGCCAGTTG CCAAAATGCC CCTGAGGAGG CCAAAGATGA 120  
 AAAAGACACC CGAGAACTT GACAACACTC CTGCCTCACC TCCCAGATCC CCTGCTGAAC 180  
 CCAATGACAT CCCCATTGCT AAAGGTACTT ACACCTTTGA TATTGACAAG TGGGATGACC 240  
 CCAATTTTAA CCCTTTTTCT TCCACCTCAA AAATGCAGGA GTCTCCCCAA CTGCCCCAAC 300  
 AATCATACAA CTTTGACCCA GACACCTGTG ATGAGTCCGT TGACCCCTTT AAGACATCCT 360  
 CTAAGACCCC CAGCTCACCT TCTAAATCCC CAGCCTCCTT TGAGATCCCA GCCAGTGCTA 420  
 TGGAAGCCAA TGGAGTGGAC GGGGATGGGC TAAACAAGCC CGCCAAGAAG AAGAAGACGC 480  
 CCTAAAGAC TGACACATTT AGGGTGAAAA AGTCGCCAAA ACGGTCTCCT CTCTCTGATC 540  
 CACCTTCCCA GGACCCACCC CCAGCTGCTA CACCAGAAAC ACCACCAGTG ATCTCTGCGG 600  
 TGGTCCACGC CACAGATGAG GAAAAGCTGG CGGTCAACCA CCAGAAGTGG ACGTGCATGA 660  
 CAGTGGACCT AGAGGCTGAC AAACAGGACT ACCCGCAGCC CTCGGACCTG TCCACCTTTG 720  
 TAAACGAGAC CAAATTCAGT TCACCCACTG AGGAGTTGGA TTACAGAAAC TCCTATGAAA 780  
 TTGAATATAT GGAGAAAATT GGCTCCTCCT TACCTCAGGA CGACGATGCC CCGAAGAAGC 840  
 AGGCCTTGTA CCTTAATGTT GACACTTCTC AGGAGAGCCC TGTCAAGTCA TCTCCCGTCC 900  
 GCATGTCAGA GTCCCCGACG CCGTGTTCAG GGTCAAGTTT TGAAGAGACT GAAGCCCTTG 960  
 TGAACACTGC TGCGAAAAAC CAGCATCCTG TCCCACGAGG ACTGGCCCTT AACCAAGAGT1020  
 CACACTTGCA GGTGCCAGAG AAATCCTCCC AGAAGGAGCT GGAGGCCATG GGTTTGGGCA1080  
 CCCCTTCAGA AGCGATTGAA ATTACAGCTC CCGAGGGGTC CTTTGCCTCT GCTGACGCCC1140  
 TCCTCAGCAG GCTAGCTCAC CCCGTCTCTC TCTGTGGTGC ACTTGACTAT CTGGAGCCCG1200  
 ACTTAGCAGA AAAGAACCCC CCACTATTCT CTCAGAAACT CCAGAGAGAG GCTGTTCCACC1260  
 CAACAGACGT CTCCATCTCC AAAACAGCCT TGTACTCCCG CATCGGGACC GCTGAGGTGG1320  
 AGAAACCTGC AGGCCCTCTG TTCCAGCAGC CCGACCTGGA CTCTGCCCTC CAGATCGCCA1380  
 GAGCAGAGAT CATAACCAAG GAGAGAGAGG TCTCAGAATG GAAAGATAAA TATGAAGAAA1440

166

GCAGGCGGGA AGTGATGGAA ATGAGGAAAA TAGTGGCCGA GTATGAGAAG ACCATCGCTC1500  
 AGATGATAGA GGACGAACAG AGAGAGAAGT CAGTCTCCCA CCAGACGGTG CAGCAGCTGG1560  
 TTCTGGAGAA GGAGCAAGCC CTGGCCGACC TGAACCTCCGT GGAGAAGTCT CTGGCCGACC1620  
 TCTTCAGAAG ATATGAGAAG ATGAAGGAGG TCCTAGAAGG CTTCCGCAAG AATGAAGAGG1680  
 TGTTGAAGAG ATGTGCGCAG GAGTACCTGT CCCGGGTGAA GAAGGAGGAG CAGAGGTACC1740  
 AGGCCCTGAA GGTGCACGCG GAGGAGAAAC TGGACAGGSC CAATGCTGAG ATTGCTCAGG1800  
 TTCGAGGCAA GGGCCAGCAG GAGCAAGCCG CCCACCAGGC CAGCCTGCGG AAGGAGCAGC1860  
 TGCGAGTGGA CGCCCTGGAA AGGACGCTGG AGCAGAAGAA TAAAGAAATA GAAGAACTCA1920  
 CCAAGATTTG TGACGAACAG ATTGCCAAAA TGGGGAAAAAG CTAACCTCTGA ACCGAATGTT1980  
 TTGGACTTAA CTGTTGCGGC AATATGACCG TCGGCACACT GCTGTTCCCTC CAGTTCCATG2040  
 GACAGGTTCT GTTTTCACTT TTTGCTATGC ACTACTGTAT TTCCTTTCTA AATAAAATTG2100  
 ATTTGATTGT ATGCAGTACT AAGGAGACTA TCAGAATTTT TTGCTATTGG TTTGCATTTT2160  
 CCTAGTATAA TTCATAGCAA GTTGACCTCA GAGTTCCTGT ATCAGGGAGA TTGCTGATT2220  
 CTCTAATAAA AGACACATTG CTGACCTTGG CTTGCCCCCT TGTACACAAG TCCCGAGGGT2280  
 GAGCAGCTTT TGGATTTAAT ATGAACATGT ACAGCGTGCA TAGGGACTCT TGCCCTAAGG2340  
 AGTGTAAACT TGATCTGCAT TTGCTGATTT GTTTTTAAAA AAACAAGAAA TGCATGTTTC2400  
 AAATAAAATT CTCTATTGTA AATAAAATTT TTTCTTTGGA TCTTGAAAAA AAAAAAAA2460  
 AAAAAAAA AAAAATAAAA AAA 2483

Name: 268

Len: 4143 Check: 23CF

GGCTGATGAC GACTGGTGCC CAATGCAGAT ACTAATTAAG TGCCCTAATC AAATTGTGAG 60  
 ACAGATGTTT CAGCGTTTGT GTATCCATGT GATTCAGAGG CTGAGACCTG TGCATGCTCA 120  
 TCTCTATTTG CAGCCAGGAA TGAAGATGG GTCAGATGAT ATGGATACCT CAGTAGAAGA 180  
 TATTGGTGGT CATTTCATGTG TCACTCGCTT TGTGAGAACC CTGTTATTAA TTATGGAACA 240  
 TGGTGTAAAA CCTCACAGTA AACATCTTAC AGAGTATTTT GCCTTCCTTT ACGAATTTGC 300  
 AAAAATGGGT GAAGAAGAGA GCCAATTTTT GCTTTCATTG CAAGCTATAT CTACAATGGT 360  
 ACATTTTTTAC ATGGGAACAA AAGGACCTGA AAATCCTCAA GTTGAAGTGT TATCAGAGGA 420  
 AGAAGGGGAA GAAGAAGAGG AGGAAGAAGA TATCCTCTCT CTGGCAGAAG AAAAATACAG 480  
 GCCAGCTGCC CTTGAAAAGA TGATAGCTTT AGTTGCTCTT TTGGTTGAAC AGTCTCGATC 540  
 AGAAAGGCAT TTGACATTAT CACAGACTGA CATGGCAGCA TTAACAGGAG GAAAGGGATT 600  
 TCCCTTCTTG TTTCAACATA TTCGTGATGG CATCAATATA AGACAAACTT GTAATCTGAT 660  
 TTTTCAGCCTG TGTCCGATACA ATAATCGACT TGCAGAACAT ATTGTATCTA TGCTTTTCAC 720  
 ATCAATAGCA AAGTTGACTC CTGAGGCAGC CAATCCTTTC TTTAAGTTGT TGACTATGCT 780  
 AATGGAGTTT GCTGGTGGAC CTCCAGGAAT GCCTCCCTTT GCATCTTATA TTCTGCAGAG 840  
 GATATGGGAG GTGATTGAAT ACAATCCTTC TCAGTGTCTA GATTGGTTGG CAGTGCAGAG 900  
 ACCCCGAAAT AAACCTGGCAG ACAGCTGGGT CTTACAGAAAT ATGGAAACTT GGGTCGAGCG 960  
 GTTTCTTTTG GCTCACAATT ATCCTAGAGT GAGGACTTCT GCAGCTTATC TTCTGGTGTCT1020  
 CCTTATACCA AGCAATTCAT TCCGTCAGAT GTCCCGGTCA ACAAGGTCTT TGCACATCCC1080  
 AACCCGTGAC CTTCCACTCA GTCCAGACAC AACAGTAGTC CTACATCAGG TCTACAACGT1140  
 GCTCCTTGGT TTGCTCTCAA GAGCCAAACT TTATGTTGAT GCTGCTGTTT ATGGCACTAC1200  
 AAAGCTAGTG CCTATTTTGA GCTTTATGAC TTACTGTTTA ATTTCCAAAA CTGAGAAGCT1260  
 GATGTTTTCC ACATATTTCA TGGATTTGTG GAACCTTTTC CAGCCTAAAC TTTCTGAGCC1320  
 AGCAATAGCT ACAAATCACA ATAAACAGGC TTTGCTTTCA TTTTGGTACA ATGTCTGTGC1380  
 TGACTGTCCA GAGAAATATCC GCCTTATTGT TCAGAACCCA GTGGTAACCA AGAATATTGC1440  
 CTTCAATTAC ATCCTTGCTG ACCATGATGA TCAGGATGTG GTGCTTTTGA ACCGTGGGAT1500  
 GCTGCCAGCG TACTATGGCA TTCTGAGGCT CTGCTGTGAG CAGTCTCCTG CATTACACAG1560  
 ACAACTGGCT TCTCACCAGA ACATCCAGTG GGCCTTTAAG AATCTTACAC CACATGCCAG1620  
 CCAATACCCT GGAGCAGTAG AAGAACTGTT TAACCTGATG CAGCTGTTTA TAGCTCAGAG1680  
 GCCAGATATG AGAGAAGAAG AATTAGAAGA TATTAAACAG TTCAAGAAA CAACCATAAG1740  
 TTGTTACTTA CGTTGCTTAG ATGGCCGCTC CTGCTGGACT ACTTTAATAA GTGCCTTCAG1800  
 AATACTATTA GAATCTGATG AAGACAGACT TCTTGTTGTA TTTAATCGAG GATTGATTCT1860  
 AATGACAGAG TCTTTCAACA CTTTGACATG GATGTATCAC GAAGCTACAG CTTGCCATGT1920  
 GACTGGAGAT TTAGTAGAAC TTCTGTCAAT ATTTCTTTTC GTTTTGAAGT CTACACGCCC1980  
 TTATCTTCAG AGAAAAGATG TGAACAAGC ATTAATCCAG TGGCAGGAGC GAATTGAATT2040  
 TGCCCATAAA CTGTTAACTC TTCTTAATTC CTATAGTCTT CCAGAACTTA GAAATGCCGT2100  
 TATAGATGTC CTCAACGAAC TTGTACTTTT GAGTCCCCAT GATTTTCTTC ATACTCTGGT2160  
 TCCCTTTCTA CAACACAACC ATTGTACTTA COATCACAGT AATATACCAA TGTCTCTTGG2220  
 ACCTTATTTT CCTTGTGCGAG AAAATATCAA GCTAATAGGA GGGAAAAGCA ATATTCGGCC2280  
 TCCGCGCCCT GAACTCAATA TGTGCCTCTT GCCCACAATG GTGGAAACCA GTAAGGGCAA2340  
 AGATGACGTT TATGATCGTA TGCTGCTAGA CTACTTCTTT TCTTATCATC AGTTCATCCA2400  
 TCTATTATGC CGAGTTGCAA TCAACTGTGA AAAATTTACT GAAACATTAG TTAAGCTGAG2460  
 TGTCTAGTT GCCTATGAAG GTTTGCCACT TCATCTTGCA CTGTTCCCCA AACTTTGGAC2520  
 TGAGCTATGC CAGACTCAGT CTGCTATGTC AAAAACTGC ATCAAGCTTT TGTGTGAAGA2580  
 TCCCTGTTTT GCAGAATATA TTAAATGTAT CCTAATGGAT GAAAGAAGTT TTTTAAACAA2640

167

CAACATTGTC TACACGTTCA TGACACATTT CTTTCTAAAG GTTCAAAGTC AAGTGTTTTC2700  
 TGAAGCAAAC TGTGCCAATT TGATCAGCAC TCTTATTACA AACTTGATAA GCCAGTATCA2760  
 GAACCTACAG TCTGATTTCT CCAACCGAGT TGAAATTTCC AAAGCAAAGT CTTCTTTAAA2820  
 TGGGGACCTG AGGGCACTCG CTTTGCTCCT GTCAGTACAC ACTCCCAAAC AGTTAAACCC2880  
 AGCTCTAATT CCAACTCTGC AAGAGCTTTT AAGCPAATGC AGGACTTGTC TGCAACAGAG2940  
 AACTCACTC CAAGAGCAAG AAGCCAAAGA AAGAAAAACT AAAGATGATG AAGGAGCAAC3000  
 TCCCATTAAG AGGCGGCGTG TTAGCAGTGA TGAGGAGCAC ACTGTAGACA GCTGCATCAG3060  
 TGACATGAAA ACAGAAACCA GGGAGGTCTT GACCCCAACG AGCACTTCTG ACAATGAGAC3120  
 CAGAGACTCC TCAATTATTG ATCCAGGAAC TGAGCAAGAT CTTCTTCCC CTGAAAATAG3180  
 TTCTGTTAAA GAATACCGAA TGGAACTTCC ATCTTCGTTT TCAGAAGACA TGTCAAATAT3240  
 CAGGTACAG CATGCAGAAG AACAGTCCAA CAATGGTAGA TATGACGATT GTAAAGAATT3300  
 TAAAGACCTC CACTGTTCCA AGGATTCTAC CCTAGCTGAG GAAGAATCTG AGTTCCCTTC3360  
 TACTTCTATC TCTGCAGTTC TGTCTGACTT AGCTGACTTG AGAAGCTGTG ATGGCCAAAGC3420  
 TTTGCCCTCC CAGGACCCTG AGGTGCTTT ATCTCTCAGT TGTGGCCATT CCAGAGGACT3480  
 CTTTAGTCAT ATGCAGCAAC ATGACATTTT AGATACCCTG TGTAGGACCA TTGAATCTAC3540  
 AATCCATGTC GTCACAAGGA TATCTGGCAA AGGAAACCAA GCTGCTTCTT GACATTAGGT3600  
 GTAGCATGTC TACTTTTAAAG TCCCTCACCC CCAACCCCA TGCTGTTTGT ATAAGTTTGT3660  
 CTTATTTGTT TTTGTGCTTC AGTTTGTCCA GTGCTCTCTG CTTGAATGGC AAGATAGATT3720  
 TATAGGCTTA ATTCTTGGTC AGGCAGAACT CCAGATGAAA AAPACTTGCA TCTTCAGTAT3780  
 ACTTCCTAAA GGGCAATCAG ATAATGGATA TGTTTTATGT AATTAAGAGT TCACTTTAGT3840  
 GCGTTTCATT TAATATGGCT GTCTGGGAAG AACAGGGTTG CCTAGCCCTG TACAATGTAA3900  
 TTTAAACTTA CAGCATTTTT ACTGTGTATG ATATGGTGTG CTCTGTGCCA GTTTTGTACC3960  
 TTATAGAGGC AGATTGCCCTC CGATCGCTGT GGTCTTTATT ATCAAAATTA AGTTTACTTG4020  
 TATACGGAAC AACCACAAGA AATTTGATTC TGTAAAGAAT CCTCTTTAGC TGTGGCCTGG4080  
 CAGTATATAA ATGGTGCTTT ATTTAACAGA ATACCTGTGG AGGAAATAAA GCACACTTGA4140  
 TGT 4143

Name: 269 Len: 1605 Check: 1799  
 AATGCCGAGA GGATGGAGAG CATCCTGCAG GCACTGGAGG ATATTCAGCT GGATCTGGAG 60  
 CAGTGAACA TCAAGGCAGG CAAAGCCTTC CTGCGTCTCA AGCGCAAGTT CATCCAGATG 120  
 CGAAGACCOCT TCCTGGAGCG CAGAGACCTC ATCATCCAGC ATATCCCAGG CTTCTGGGTC 180  
 AAAGCATTCC TCAACCACCC CAGAATTTCA ATTTTGATCA ACCGACGTGA TGAAGACATT 240  
 TTCCGCTACT TGACCAATCT GCAGGTACAG GATCTCAGAC ATATCTCCAT GGGCTACAAA 300  
 ATGAAGCTGT ACTTCCAGAC TAACCCCTAC TTCACAAACA TGGTGTATTG CAAGGAGTTT 360  
 CAGCGCAACC GCTCAGGCGG GCTGGTGTCT CACTCAACCC CAATCCGCTG GCACCGGGGC 420  
 CAGGAACCCC AGGCCCCGTC TCACGGGAAC CAGGATGCGA GCCACAGCTT TTTCAGCTGG 480  
 TTCTCAAACC ATAGCCTCCC AGAGGCTGAC AGGATTGCTG AGATTATCAA GAATGATCTG 540  
 TGGGTTAACC CTCTACGCTA CTACCTGAGA GAAAGGGGCT CCAGGATAAA GAGAAAGAAG 600  
 CAAGAAATGA AGAAACGTAA AACCAGGGGC AGATGTGAGG TGGTGATCAT GGAAGACGCC 660  
 CCTGACTATT ATGCAGTGGA AGACATTTTC AGCGAGATCT CAGACATTGA TGAGACAATT 720  
 CATGACATCA AGATCTCTGA CTTTCATGGAG ACCACCGACT ACTTCGAGAC CACTGACAA 780  
 GAGATAACTG ACATCAATGA GAACATCTGC GACAGCGAGA ATCCTGACCA CAATGAGGTC 840  
 CCCAACCAAC AGACCACTGA TAACAACGAG AGTGCTGATG ACCACGAAAC CACTGACAAC 900  
 AATGAGAGTG CAGATGACAA CAACGAGAAT CCGTAAGACA ATAACAAGAA CACTGATGAC 960  
 AACGAAGAGA ACCCTAACA CAACGAGAAC ACTTACGGCA ACAACTTCTT CAAAGGTGGC1020  
 TTCTGGGGCA GCCATGGCAA CAACCAGGAC AGCAGCGACA GTGACAAATGA AGCAGATGAG1080  
 GCCAGTGATG ATGAAGATAA TGATGGCAAC GAAGGTGACA ATGAGGGCAG TGATGATGAT1140  
 GGCAATGAAG GTGACAATGA AGGCAGCGAT GATGACGACA GAGACATTGA GTACTATGAG1200  
 AAAGGTATTG AAGACTTTGA CAGGGATCAG GCTGACTACG AGGACGTGAT AGAGATCATC1260  
 TCAGACGAAT CAGTGGAAGA AGAGGGCATT GAGGAAGGCA TCCAGCAAGA TGAGGACATC1320  
 TATGAGGAAG GAACTATGA GGAGGAAGGA AGTGAAGATG TCTGGGAAGA AGGGGAAGAT1380  
 TCGGACGACT CTGACCTAGA GGATGTGCTT CAGGTCCCAA ACGGTTGGGC CAATCCGGGG1440  
 AAGAGGGGGA AAACCGGATA AGGGTTTTCC CTTTTTGGGG ATCACCTCTC TGTATCCCCC1500  
 ACCCACTATC CCATTTGCCC TCCTCCTCAG CTAGGGCCAC GCGGACCCAC ATTGCACTTC1560  
 TGGGGGGTGA CCGACTTCGT ACACGGGTTT AAAGTTTATT TTTTT 1605

Name: 27 Len: 421 Check: F84  
 AACGAAAAGA ATGGGAATGA CAGTAACAAA CAAGATTTCC CCACTGGATA TTGCGATGGG 60  
 ACTGCAGCAG TCTTATCTTT GAAATTCAGA AAGGAAACAA CTCTGTTCCA AACAGCTAAA120  
 TATGCAAGTC CAAAAATGA AGGTATGTTT AACTGCCACA TTTACTCGAA GCCCATTTCAT180  
 CTCCTTCAGC ATCCCAATGA AGTACACGAT CTGCTTAGCT AAATAAGGTG GCACACGCGC240  
 TGCACCGCTG ACATCACAGG ACAGTTGCCCT ATAAAACTAG ACTTCTGACC GCAGGGCTCC300  
 AGCTTCACTT TCTCACAGGT CATCATCCTC ATCTNNGGAG AGCAGTCGTC TGGAGCAACC360  
 TCTAAATCA TGCTCGTACT TGTGCTGGCC AAAGCTGGGG TCCATGACCA CNTCCAGGTG420  
 421



-168

Name: 270 Len: 2488 Check: 13C6

GGCCGGAACA GGCGTTTAGA GAAAATGGCA GACGATATTG ATATTGAAGC AATGCTTGAG 60  
GCTCCTTACA AGAAGGATGA GAACAAGTTG AGCAGTGCCA ACGGCCATGA AGAACGTAGC 120  
AAAAAGAGGA AAAAAGCAA GAGCAGAAGT CGTAGTCATG AACGAAAGAG AAGCAAAAGT 180  
AAGGAACGGA AGCGAAGTAG AGACAGAGAA AGGAAAAAGA GCAAAAGCCG TGAAGAAAG 240  
CGAAGTAGAA GCAAAGAGAG GCGACGGAGC CGCTCAAGAA GTCGAGATCG AAGATTTAGA 300  
GGCCGCTACA GAAGTCCTTA CTCCGGACCA AAATTTAACA GTGCCATCCG AGGAAAGATT 360  
GGGTGCGCTC ATAGCATCAA ATTAAGCAGA CGACGTTCCC GAAGCAAAAG TCCATTTCAGA 420  
AAAGACAAGA GCCCTGTGAG AGAACCTATT GATAATTTAA CTCCTGAGGA AAGAGATGCA 480  
AGGACAGTCT TCTGTATGCA GCTGGCGGCA AGAATTCGAC CAAGGGATT T GGAAGAGTTT 540  
TTCTCTACAG TAGGAAAGGT TCGAGATGTG AGGATGATTT CTGACAGAAA TTCAAGAGCT 600  
TCCAAAGGAA TTGCTTATGT GGAGTTCGTC GATGTTAGCT CAGTGCCTCT AGCAATAGGA 660  
TTAACTGGCC AACGAGTTT AGGCGTGCCA ATCATAGTAC AGGCATCACA GGCAGAAAAA 720  
AACAGAGCTG CAGCAATGGC AAACAATTTA CAAAAGGGAA GTGCTGGACC TATGAGGCTT 780  
TATGTGGGCT CATTACACTT CAACATAACT GAAGATATGC TTCGTGGGAT CTTTGAGCCT 840  
TTTGGAAGAA TTGAAAGTAT CCAGCTGATG ATGGACAGTG AAAGTGGTCG ATCCAAGGGA 900  
TATGGATTTA TTACATTTTC TGACTCAGAA TGTGCCAAAA AGGCTTTGGA ACAACTTAAT 960  
GCATTTGAAC TAGCAGGAAG ACCAATGAAA GTTGGTCATG TTAGTGAACG TACTGATGCT1020  
TCGAGTGCTA GTTCATTTT GGACAGTGAT GAAGTGGAAA GGACTGGAAT TGATTTGGGA1080  
ACAAGTGGTC GTCTTCAGTT AATGGCAAGA CTGCTCTTGG CATTTGGTGC TGTGGCAGAA1200  
CCAGCAGCAC AGCAAGCTCT ACAGATGAGT GGCTCTTGG CATTTGGTGC TGTGGCAGAA1200  
TTCTCTTTTG TTATAGATTT GCAAACAAGA CTTTCCCAGC AGACTGAAGC TTCAGCTTTA1260  
GCTGCAGCTG CCTCTGTTC A GCACTTGCA ACACAATGT TCCAAGTCT TAACATGTTT1320  
AACCCTCAGA CAGAAGAAGA AGTTGGATGG GATACCGAGA TTAAGGATGA TGTGATTGAA1380  
GAATGTAAATA AACATGGAGG AGTTATTCAT ATTTATGTTG ACAAATTC AGCTCAGGGC1440  
AATGTGTATG TGAAGTGCCC ATCAATTGCT GCAGCTATTG CTGCTGTCAA TGCATTGCAT1500  
GGCAGGTGGT TTGCTGGTAA AATGATAACA GCAGCATATG TACCTCTTCC AACTTACCAC1560  
AACCTGTTTC CTGATTCTAT GACAGCAACA CAGCTACTGG TTCCAAGTAG ACGATGAAGG1620  
AAGATATAGT CCTTATGTA TATAGCTTTT TTTCTTTCTT GAGAATTCAT CTTGAGTTAT1680  
CTTTTATTTA GATAAAAATA AAGAGGCAAG GATCTACTGT CATTTGTATG CAATTTCTCTG1740  
TTACCTTGAA AAAATAAAAA TGTTAACAGG AATGCAGTGT GCTCATTCTC CCTAAATAGT1800  
AAATCCCACT GTATACAAAA CTGTTCTCTT GTTCTGCCTT TTAATGTT CATGTAGAAA1860  
ATTAATGAAC TATAGGAATA GCTCTAGGAG AACAAATGTG CTTTCTGTAA AAAGGCAGAC1920  
CAGGGATGTA ATGTTTTTAA TGTTTCAGAA GCCTAACTTT TTACACAGTG GTTACATTTT1980  
ACATTTCACT AATGTTGATA TTTGGCTGAT GGTGAGCAG TTTCTGAAAT ACACATTTAG2040  
TGTATGGAAA TACAAGACAG CTAAAGGGCT GTTTGGTTAG CATCTCATCT TGCATTCTGA2100  
TCAATTGGCA AGAAAGGGAG ATTTCAAAAT TATATTTCTT GATGGTATCT TTTCAATTAA2160  
TGTATCTGTA AAAGTTTCTT TGTAATACT ATGTGTTCTG GTGTGTCTTA AAATTTCAAA2220  
CAAAATGATC CCTGCATTTT CTGAAGATGT TTAACAGTGA GAGTCTGGTA GGCAAAGCAG2280  
TCTGAGAAAG AAATAGGAAA TGCAGAAATA GGTGTTGTCT GGTTGCATAT AATCTTTGCT2340  
CTTTTAAAG TCTGTGAGCT CTGAAATATA TTTTGGGTT ACTTCAGTGT GTTTGACAAG2400  
ACAGCTTGAT ATTTCTATCA AACAAATGAC TTTCATATTG CAACAATCTT TGTAAGAACC2460  
ACTCAAATAA AAGTCTCTTA AAAAGGCC 2488

Name: 271 Len: 1769 Check: 15BD

GCTTTCACCC ATTAGCATT CTTACGTAGA TAATCTTTA TGCCTAGTTA TTATACATAT 60  
TAATTTTAA GGTATACATT TAAATTACAC AATGTTTCT TGTGGTTTGT ATCCAGAAAT 120  
GTGTTGTGTT TTTTAAAAGA TGCATAATAG CTGAATGTAT GCATGACTTT GAAAGAAGTT 180  
AAAATGGTGA TTTTTTTTC CCTCTTGATC ATTTTAAAC CAGGCCAAAT CTATTTGCCA 240  
AGCAGTGTAT CACTAATAAG AAAAGCAGTT TTTCTTTT TTTGAGTTT TGTATCTG 300  
CCATAGAATT TCCTTATACT GTGGCTTGGT ATTATTCAG ATTAGCTATT TCGCTGGTAT 360  
TACATCTTTT TAAAAGCCTA TTATAACATG GTTAGCCTAT AAGGCAGTGT TGGTCCCTT 420  
CTAATATTGG CCTCATAAAG GGGTTCCACT GTACTTTCCG CATATTACTG TGTGTTGTT 480  
TTCCTTTGTG GATATATAAG CAAATTGAGC TTGGGTGATT TTTATGGAGA CAATAATTAG 540  
ACAATACTGT ATAATTAGTT TACTTAAATA GATTATCATC TTGTGAGAAG AGATGTTTAA 600  
ACGTGGTAAA TCACTTCATA TTACAAAAA GTTTTTACAT TAATATGTTA ACATTTGGGT 660  
CAATAATTTA GTAGCATTAG CTTTAGTTAC AAATATAACT GGATCTTTCT GCTGACAACT 720  
TAGGTTGTAT GAGTTATGCT TAAAAGCTTT AAATCTGATG TTTCTGTAC CTGCCACACT 780  
ATGTTAGAAT GTGTCCTTCA AACATATCCT CCTGCAACTT CTCAAAGTGT ACTAAATTGA 840  
TATTTCTTGA AGTCTAACTC TGTGCTAACA GATCTCCATT TTAATAGAA TACGGTTTAA 900  
ATTTTGTGATA AGCTGCTGAA TTTTAAAGAG AGTTTTTTGG GGCCACCAA TATTTGGAT 960  
CATGCAGAGA ATATATATTG TACTGTAGTA ATTTGTATT TACATTTGTA TGATGTGACA1020  
TAATAGATGT GAATGTTAAT CACTGCTTGA CTATGTTAAT AAAGTTGTTT AACTATAAAA1080  
AAAAAAGGAA ACCCAGCGCT CCTTCAGATC AATCCATCTA TGCAAAATTTA TGGGGAAAAA1140



169

TTGTTTTTTT AATTAAATTT CCAATACCCA AGCCCTAAAA TTGATGGATG TGACCCCAAGG1200  
TGTTCCCTTT ACCTCTTGGC CCCCCAAAAAC AGGGACAGAC ATAGATGGTG GGCTGGAACA1260  
CCCCTCACCT CCTGTATTCC CAGAAAGCCT CGCGTTGAGG TGTGTTGGCC AGCTCCCTAG1320  
TTTGIGCTTA CTATACCTGG CCACGCCTCC CTACCTAAGG CCGCTGGCTT AACCCCTAGGG1380  
GCAGGCAGTG TTAGATCAGA CCCAGACCTT CTCATCCCAC CCTCATCACA TCGGGGAGAG1440  
GGGACTCCAG GGGCGGGAAG GCAGGCGTCC CTCCATTGG CCAGGGTGGG CGGCGAGGAG1500  
GGGGTCACTC TGCAGGAACA CTGAGCTCTG AACACCTCTC GCCTGCTGCC TGCCTCACAC1560  
CCTCTGCATT CGCTGTTTCC TCTGTTGGGG GAGGGGGTTT GTGAGGGGAA TATTAGATT1620  
CACCTTGTC TTTGGAAGC CCCGTGTCTC CGGCGGCCAC AGCGAGGTTG GGGGGGTGGT1680  
GAGGGAAGTC CATGGATTGG CCAGAACTGG GGGAAAAACA AAAAGAAATG AGAGAAAGAG1740  
AGAGCGGGTA CCAAAAAAAA AAAAAAAA 1769

Name: 272

Len: 5541

Check:

3F4

GTCCAGAGTG GCAGTAAAGG AGGAAGATGG CGGGGTGCAG GGGGTCTCTG TGCTGCTGCT 60  
GCAGGTGGTG CTGCTGCTGC GGTGAGCGTG AGACCCGCAC CCCCAGAGGAG CTGACCATCC 120  
TTGGAGAAAC ACAGGAGGAG GAGGATGAGA TTCTTCCAAG GAAAGACTAT GAGAGTTTG 180  
ATTATGATCG CTGTATCAAT GACCCCTTACC TGGAAGTTTT GGAGACCATG GATAATAAGA 240  
AAGGTCGAAG ATATGAGGCG GTGAAGTGGG TGGTGGTGTG TGCCATTGGA GTCTGCACTG 300  
GCCTGGTGGG TCTCTTTGTG GACTTTTTTG TGCGACTCTT CACCCAACTC AAGTTCGGAG 360  
TGGTACAGAC ATCGGTGGAG GAGTGCAGCC AGAAAGGCTG CCTCGCTCTG TCTCTCCTTG 420  
AACTCCTGGG TTTTAACTC ACCTTTGTCT TCTTGGCAAG CCTCCTTGT CTCTATTGAGC 480  
CGGTGGCAGC AGGTTCGGG ATACCCGAGG TCAAAATGCTA TCTGAATGGC GTAAAGGTGC 540  
CAGGAATCGT CCGTCTCCGG ACCCTGCTCT GCAAGGTCTT TGGAGTCTG TTCAGTGTGG 600  
CTGGAGGGCT CTTCGTGGG AAGGAAGGCC CCATGATCCA CAGTGGTTCG GTGGTGGGAG 660  
CTGGCCTCCC TCAGTTTCAG AGCATCTCCT TACGGAAGAT CCAGTTTAACT TTCCCCTATT 720  
TCCGAAGCGA CAGAGACAAG AGAGACTTTG TATCAGCAGG AGCGGCTGCT GGAGTTGCTG 780  
CAGCTTTCCG GGCGCCAATC GGGGGTACCT TGTTCAGTCT AGAGGAGGGT TCGTCTCTCT 840  
GGAACCAAGG GCTCACGTGG AAAGTGCTCT TTTGTTCCAT GTCTGCCACC TTCACCTCA 900  
ACTTCTTCCG TTCTGGGATT CAGTTTGGAA GCTGGGGTTC CTTCCAGCTC CCTGGATTGC 960  
TGAACTTTGG CGAGTTTAAAG TGCTCTGACT CTGATAAAAA ATGTCATCTC TGGACAGCTA1020  
TGGATTTGGG TTTCTTCGTC GTGATGGGGG TCATTGGGGG CCTCCTGGGA GCCACATTCA1080  
ACTGTCTGAA CAAGAGGCTT GCAAAGTACC GTATGCGAAA CGTGCACCCG AAACCTAAGC1140  
TCGTCAAGAT CTTAGAGAGC CTCCTTGTGT CTCTGGTAAC CACCGTGGTG GTGTTTGTGG1200  
CCTCGATGGT GTTAGGAGAA TGCCGACAGA TGTCTCTTC GAGTCAAATC SGTAATGACT1260  
CATTCCAGCT CCAGGTCACA GCCACACTCT TCTTCAACCC GCAGGAGTCT GCCATCCTCC1380  
ATGATACCTA CAATGACATG AACTTTCAGCC CCGTCACTCT GGCCTTGTTC TTCGTTCTCT1440  
AGCTCTTCCA CCAGGATGGT ACTTTCAGGCA TTTCTGTTCC AAGTGGCCTT TTTGTGCCCT1500  
ATTTCTTGCT TGCATGTTGG ACTTACGGCA TAGTTGCCAA TGTCTAAAA AGCTACATTG1560  
CTCTGCTGTG TGGAGCTGCT TTTGGACGTT CCCTGATTGG TGCAGCGGCT TTCTTGGGCG1620  
GATTGGGCCA CATCTATTCC GGGACCTTTG CCCTGATTGG TGCAGCGGCT AATGAGATCA1680  
GGGTGGTCCG CATGACCATC AGCCTCACGG TCATCCTGAT CGAGTCCACC AATGAGATCA1680  
CCTACGGGCT CCCCATCATG GTCACACTGA TGGTGGCCAA ATGGACAGGG GACTTTTTCA1740  
ATAAGGGCAT TTATGATATC CACGTGGGCC TGCGAGGCGT GCCGCTTCTG GAATGGGAGA1800  
CAGAGGTGGA AATGGACAAG CTGAGAGCCA GCGACATCAT GGAGCCCAAC CTGACCTACG1860  
TCTACCCGCA CACCCGCATC CAGTCTCTGG TGAGCATCCT GCGCACCACG GTCCACCATG1920  
CCTTCCCGGT GGTACACAGG AACCGCGGTA ACGAGAAGGA GTTCATGAAG GGCAACCAGC1980  
TCATCAGCAA CAACATCAAG TTCAAGAAAT CCAGCATCCT CACCCGGGCT GGCGAGCAGC2040  
GCPAACGGAG CCAGTCCATG AAGTCTTACC CATCCAGCGA GCTACGGAAC ATGTGTGATG2100  
AGCACATCGC CTCTGAGGAG CCAGCCGAGA AGGAGGACCT CCTGCAGCAG ATGCTGGAAA2160  
GGAGATACAC TCCCTACCCC AACCTATACC CTGACCAGTC CCCAAGTGAA GACTGGACCA2220  
TGGAGGAGCG GTTCCGCCCT CTGACCTTCC ACGGCCTGAT CCTTCGGTCC CAGCTTGTCA2280  
CCCTGCTTGT CCGAGGAGTT TGTTACTCTG AAAGCCAGTC GAGCGCCAGC CAGCCGCGCC2340  
TCTCCTATGC CGAGATGGCC GAGGACTACC CCGGTATACC CGACATCCAC GACCTGGACC2400  
TGACGCTGCT CAACCCGCGC ATGATCGTGG ATGTCACCCC ATACATGAAC CCTTCGCCCT2460  
TCACCGTCTC GCCCAACACC CACGTCTCCC AAGTCTTCAA CCTGTTTCTG ACGATGGGCC2520  
TGCGCCACCT GCGCGTGGTG AACGCTGTGG GAGAGATCGT GGGGATCATC ACACGGCACA2580  
ACCTACCTA TGAATTTCTG CAGGCCCGGC TGAGGCAGCA CTACCAGACC ATCTGACAGC2640  
CCAGCCCAAC CTCTCCTGGT GCTGCCTGGG GAGGCAATC ATGCTCACTC CCGCGGGCAC2700  
AGCTGGCTGG GGCTGTTCCG GGGCATGGAA GATTCCCACT TACCCACTCA CTCAGAAAGC2760  
CGGGAGTCAT CGGACACCTT GCTGGTCAGA GGCCCTGGGG GTGGTTTTGA ACCATCAGAG2820  
CTTGGACTTT TCTGACTTCC CCAGCAAGGA TCTTCCACT TCCTGCTCCC TGTGTTCCCA2880  
CCCTCCAGTG TTGGCACAGG CCCACCCCTG GCTCCACCAG AGCCAGAAGC AGAGGTAGAA2940  
TCAGGCGGGC CCGGGGCTGC ACTCCGAGCA GTGTTCCCTG CCATCTTTGC TACTTCCCTA3000  
GAGAACCCGG CTGTTGCCTT AAATGTGTGA GAGGGACTTG GCCAAGGCAA AAGCTGGGGA3060

170

GATGCCAGTG ACAACATACA GTTCATGACT AGGTTTAGGA ATTGGGCACT GAGAAAATTC3120  
TCAATATTTT AGAGAGTCCT TCCCTTATTT GGGACTCCTA ACACGGTATC CTCGCTAGTT3130  
TGTTTTAAGG GAAACACTCT GCTCCTGGGT GTGAGCAGAG GCTCTGGTCT TGCCCTGTGG3240  
TTTGACTCTC CTTAGAACCA CCGCCCACCA GAAACATAAA GGATTAAAT CACACTAATA3300  
ACCCCTGGAT GGTCAATCTG ATAATAGGAT CAGATTTACG TCTACCCTAA TTCTTAACAT3360  
TGCAGCTTTC TCTCCATCTG CAGATTATTC CCAGTCTCCC AGTAACACGT TTCTACCCAG3420  
ATCCTTTTTT ATTTCTTAA GTTTTGATCT CCGTCTTCCT GATGAAGCAG GCAGAGCTCA3480  
GAGGATCTTG GCATCACCCA CCAAAGTTAG CTGAAAGCAG GGCACCTCTG GATAAAGCAG3540  
CTTCACTCAA CTCTGGGGAA TGCTACCATT TTTTTTCCAA AGTAGAAAGG AAGCACTTCT3600  
GAGCCAGTGA CCACTGAAAG GTATGTGCTA TGATAAAGCA GATGGCCTAT TTGAGGAAGA3660  
GGGTGTCTGC CCTTCACAAA CACCTCTCTC TCCCCTGCAC TAGCTGTCCC AAGCTTACAT3720  
ACAGAGGCC CTTAGGAGGG CCTCCTGTGC CGCAGGGAGG GTGCGTGGGG AAGATGCTTC3780  
CTGCCAGCAC GTGCCTGAAG GTTTCACATG AAGCATGGGA AGCGCACCCCT GTCGTTCACT3840  
GACGTCAATC TTCTCCAGGC TGGCCCGCCC CCTCTGACTA GGCACCCAAA GTGAGCATCT3900  
GGGCATTGGG CATTCTGCT TATCTTCCCC CACCTTCTAC ATGGTATCAG TCCCAGCAGG3960  
CATCCCTGGG GCAGACGTGC TTTGGCTCAA GATGGCCTTC ATTTACGTTT AGTTTTTTTT4020  
AAAACCGTGG AGGTTGCCCC CGGGCCTCGG CACCTGGCCC TGGCAGCACA GCTCTCAGGC4080  
CCAGCCCTGG GCGACCTCCT TGGCCAAGTC TGCCCTTCAC CCTGGGGTGA GCATCAGTCC4140  
TGGCTCTGCT GGTCCAGATC TTGCGCTCAG CACACTCTAG GGAATAATTC CACTCCAGAG4200  
ATGGGGCTGC TTCAAGGTCT TTTCTAGCTG ATTGTGGCCC CTCCATTTTC CCCATTTTCT4260  
TATCTCCCTG ACCAAAATTG CTTTGAATTC TAAATGTTTC TGCTTCCCAG AATGCACCTG4320  
ACTTATGAAA TGGGGATAT ACTCCCAGGA AATAGCGCAG GACATCACAA GGACCAAAAA4380  
GGCAATCTCT ATTTAAATGT TACTATTTGG CCAGCTGCTG CTGTGTTTTA TGGCAGTGT4440  
CAGAGCTTGA TCACGTTAT TCTTCTTTT ATTAAGAAGG AAGCCAATTG TCCAAGTCAG4500  
GAGAATGGTG TGATCACCTG TCACAGACAC TTTGTCCCCT CTCCCCGCCC CTTCTGAG4560  
CTGGCAGAGC TAACGCCCTG CAGGAGGACC CCGGCCTCTC GAGGGCTGGA TCAGCAGCCG4620  
CTGCCCCGTA GGCTGCCCGG GTGAATGTTA TTGGAATTCA TCCCTCGTGC ACATCCTGTT4680  
GTGTTAAGT CACCAGATAT TTTGTTCCCA TCAGTTTAGC CCAGAGATAG ACAGTAGAAT4740  
GCAATACCT CCTCCCCTA AACTGACTGG ACGGCTGCCA AGGAGGCCCC AAACCCAGGC4800  
CCCATGCAA GGCACGTGGT TTCCTTTTCT CCTCTCTCTG CATCTGCGCT TTCCAGATAA4860  
GCCCCAAGAC AGCAACTTCT CCACTCATGA CAAATCAACT GTGACCCTCG CTCCTTCCAT4920  
TTCTGTCCAT TAGAAACAG CTTTTCAGC ATCTCACCCA TTAGCAGCCC CATCACCCAG4980  
TGATCAGTCG CCTCAGTAAA GCAGATCTGT GGATGGGGAG CCTACGGGTG GTAAGAAGTG5040  
GTGTTTTGTG TTTCATCTCC AGCTTGGTGT TCCATGGCCC CTAGGCGAGG TGATCAGGGA5100  
GTGGGGCCAA TGGGGCCCCG GCCCTGGCTT TGGGACCTTG TGCTGAGGGA TGATTGTCT5160  
CTGACCTTGA TTAACCTAAC AGTTCCCGAGC TGGAAGGGAC ACTTTCAGGA CCCAGTCCAC5220  
TGTATGGCAT TTGTGATGCA GAATTATGCA CTGACATGAC CCTGGGTGAC AGGAAAGCCT5280  
TTCCAGAGGC CCAAGGTGGC CTCGCCAGCC CTGCAGTATT GATGTGCAGT ATTGCACCAC5340  
AGCTCTGCGG ACCTTGGCCA TTGCCGAGT CGCAGCTTCC TTTTTTCTGT TTGCACTGTT5400  
TGTTTGTATG ATGTTAGCTA ATTCCAAGT GTATATAAAT TGTATTTTTT TTAATTTGTA5460  
AAATGCTATT TTTATTTGAA CCTTTGGAAC TTGGGAGTTC TCATTGTAAC CCTAACATGT5520  
GAGAAATAAAA TGTCTTCTGT C 5541

Name: 273

Len: 5047 Check: 251C

CCGTTGCTGT CGCCGTTGCT GTCGGGGGCG CTGTGCGCTG AGGAAGGCGC GGGCGAGCCG 60  
GAGCAGAAGA AGGAGGGAGG GAGCCAGCCG CTGCAGCCAC CACCGCCACC ATGTCCTACC 120  
AAGGCAAGAA GAACATCCCG CGGATCACGA GTGACCGTCT CCTTATCAAG GGAGGCAGAA 180  
TCGTCAATGA TGATCAGTCC TTTTATGCTG ATATTTACAT GGAAGATGGC TTAATAAAAC 240  
AAATTGGAGA CAATCTGATT GTTCCCTGGAG GAGTGAAGAC CATTGAAGCC AATGGGAAGA 300  
TGGTGATCCC TGGAGGCATC GATGTCCATA CTCACTTCCA GATGCCATAT AAGGGAATGA 360  
CCACAGTAGA TGACTTCTTC CAAGGGACAA AGGCGGCCCT AGCAGGTGGC ACCACCATGA 420  
TCATTGACCA TGTGGTGCCT GAGCCTGAGT CCAGCCTGAC TGAGGCCTAT GAGAAATGGA 480  
GAGAGTGGGC TGATGGGAAG AGTTGCTGTG ACTATGCCCT GCATGTGGAC ATCACCCT 540  
GGAATGACAG CGTCAAGCAG GAAGTGCAGA ACCTCATCAA GGACAAAGGG GTTAACCTCT 600  
TCATGGTTTA TATGGCTTAT AAGGATTTGT ATCAAGTATC TAACACAGAG CTCTATGAGA 660  
TCTTCACTG CCTGGGAGAG CTGGGGGCAA TTGCTCAAGT TCATGCTGAG AATGGGGATA 720  
TCATTGCCCC GGAGCAAACC CGCATGTTGG AATGGGGAT AACTGGCCCA GAAGGCCATG 780  
TACTGAGCAG GCCAGAAGAG CTGGAAGCTG AGGCTGTGTT CCGTGCCATC ACCATTGCCA 840  
GCCAAACCAA TTGCCCTCTC TACGTCACAA AGGTCAATG CAAGAGTGCA GCTGACCTCA 900  
TCTCACAAGC CAGGAAAAAA GGAAATGTAG TCTTGGTGA GCCCATCACT GCCGCCCTG 960  
GCATAGATGG AACCCTATT TGGAGCAAGA ACTGGGCCAA GCGGCTGCA TTTGTGACAT1020  
CCCCACCCCT GAGCCCTGAC CCAACTACTC CGGACTACAT CAACTCCTTG CTGGCCAGCG1080  
GGGATCTGCA GCTATCTGGG AGTGCCCACT GCACCTTCAG CACTGCCCAG AAAGCAATTG1140  
GGAAGGACAA CTTACAGCC ATTCTGAGG GCACCAATGG TGTGGAGGAG CGGATGTCTG1200

171

TCATCTGGGA CAAGGCTGTG GCCACAGGGA AAATGGACGA AAACCAGTTC GTGGCTGTGA1260  
CAAGCACAAA CGCTGCCAAG ATCTTCAACC TGTATCCCCG CAAGGGAAGA ATATCTGTGG1320  
GTTCTGACAG CGACCTCGTC ATCTGGGATC CAGATGCTGT GAAGATCGTC TCTGCCAAGA1380  
ACCAACAGTC TGCGGCAGAG TACAACATCT TTGAAGGGAT GGAGCTGCGC GGGGCTCCTC1440  
TGGTTGTGAT CTGCCAGGSC AAGATCATGC TGGAAGATGG CAACCTGCAC GTGACCCAGG1500  
GGGCTGGCCG CTTTCATACC TGCAGCCCGT TCTCCGACTA TGTCTACAAG CGCATTAAAG1560  
CACGGAGGAA GATGGCAGAC CTGCATGCCG TCCCAAGGGG CATGTACGAT GGGCCTGTGT1620  
TTGACCTGAC CACCACCCCC AAAGGTGGCA CCCCCGAGG CTCTGCTCGG GGCTCTCCTA1680  
CTCGGCCGAA CCCACCTGTG AGGAATCTTC ATCAGTCGGG ATTTAGCCTG TCAGGCACCC1740  
AAGTGGATGA GGGGGTTGCG TCAGCCAGCA AGCGCATCGT GGCCCCCACA GCGCGCGTT1800  
CTAATATCAC ATCTCTGAGT TAAGCAAGCC TTCTCAAAG AGAGGGGCGA AAGCAAGAAG1860  
AGATTGTTTT GAAGCCAAAA TGGTACACCG ATATTTAAGA AGGAAAGCGA ATCCAAACGG1920  
TTGTGATCTA AAGAATCAAT AAGCCTCAAG CCTTATGTTT CTCCAATGTT ACGCTCGCTT1980  
GCCTAGCTTT ACGAATATTG CTTTGTTTTC TGTATTATGCA TAGCCTTGAT TTGTTTGACT2040  
CCCCCTCCCC CATTTACATG CATGCAATCA GACAGGCCAC TAAGGTAAAA GAGTCTGCTC2100  
TATCATAGTG TTGAGAGCGT GTGTAGTGCT GCATCTTATG ACAAGGGGAC AGACAAGCTG2160  
GGACGTCAGG GAAATGAACA AAAGGGACGC AGGTTATTTG GGGTGAGTGG GTGGTGGGAG2220  
CCTGGAGCAA GGTGGAGGGT GCAGAGGGGC TGGGGTAGGG CATGTAGGAG GGAGGTGGGT2280  
GGGTGAGGTG AGTGGGAAGG GTGTTGTATA TTGTGTTGAT GACGTACGTT ATTTCCATGG2340  
AAGATAGCCG CTGTGGCAGC TGTCACATCA CCACAGCTCC CTAGGGTCTG CCGAGAAGGC2400  
AGGCACTCTT TGGGTTCTGT TCTTTGTTCAC GTCCCTTACA AGTAAATTTT GTTTCTTTGA2460  
ACGTTTATTA AAATGCCAAG ACCCAACCAT TTCTTCCACC TGCTTGATTG TGCCAGTGTT2520  
TGCTCAGGCC TCTTTCTTAG TGTGCTTTC AAATCCTTCT CTTTCTGGG TTGGGAAGGC2580  
CAGGCAGGGA CAGAGCAAAAT GACACTTCTC TTCCTCTTGC CCTCCCTGCC TCTTTGGTGC2640  
TCTTAAAGC CAGCAGCTGA GAACATAGCA CAGGCCACG TGGTGAGGGC ACCCACAGCT2700  
TAAAGACGCT TCCTTCTAAA CACGGCGAGG TCACCTCTCA CTCTTCTGTC TTTGCAAAAC2760  
GAGAAGAGTG GCATGCTTCT GGCATCCCAA GTCAGGATTT TAGCTCAGAT GAGGCAGAAT2820  
GAAGGGCCTC TCTTACAGGC AGTTTGTGTT TGATTCTCTC GATCCTGGCA CATCCATGAT2880  
AAATAGGAGT TTTTGAAGT TGGTTTTATT AGGTGTTCCC TAATTTTTAC CGTAATAGGT2940  
CATCTCAGCT TATATGAAAG TCAAGTGGGG AACTGGGAAA GCCAAAGTCA GTCTTGAGCA3000  
GAGGGAGCAC ATTTTGTGGA COTGGTTCCA CCTTTCCATT CCAAAACCACC TGTTCCTCCT3060  
TCCATTAGCA GAAACTCTGG GGGAACTTTG TGTCTCAGTC CTAGAATCTC CCCAAGTGAG3120  
TGGAAGTGAC ATGATGCAGT CTTCTCATG GGGCACCTGA AAGAAATTAG TGTGGGTGCT3180  
TCGATCTACC TTGTCTGTCA GAGTTGAATA TCTCTTTCCC TATCATGCTG CTTCTGAAA3240  
TTCAGTTTTG GAGCAAGTCC TGTGAGCAAG ATAAGAATCT ATAGAACCAG GATGCTCAT3300  
TTCAGAAGAA ATATGTTCAA CCTGGGATCA GACTTCCATG CTCTGGGGAA TCCAAGTGGT3360  
AGCACCTGTA ACCCTGTGTA CTAAGTGCTT TGAAGAGAAG AGCAGGCTC AGACACCTTT3420  
TAATTGCTTA GGAGAAACCA TTGTCTCTGA CTGCAGGTT GAATAAGTTG AAGACCAGAG3480  
AAAAGTACAC ACTGGGCTAC AAAGGAATTT GGAGATAGCC AAGGAACAGG ATTTCCCTA3540  
GCAAGCTACC TTCTGTTCAA ATCATGAAAA AAGACTATTT CCCCTTAGAA TAGGGAAGCT3600  
TGCTATTTTA AAGCTCTTGT AGTGCTTTTC TTTTAAGGGA GATGTAGTAA AAGGGAAAAT3660  
GTAGCTCTTA GTTTACACTT CAAAGATGTG GGGGTCTTTC AGAGAACTAA GAATAACAGT3720  
TTTATGTGCA GAGAGAGTTT GCCAGATCTG AAGCATATAC CTCATTGACT AGGCTGTTAC3780  
TTTGGGATAG GTTGCAGTAC CAGCCACAGC CAGCAGATAG AGGAAAAGAC ACACATAAAC3840  
TCGCTTCTGA GCGTCCACTT CTGCACTCTC TGCTCTGCTG TTACTIONG CCTGAGTCTG3900  
ACTCATCTCT GCACAACCTC TCTGTGCCAT GAAGATAAGT CTTCCATGGC CAAATCGGTC3960  
ATCCGCACTG CCCTTGGGAC TTCCGAAGTG AACCATTCCA CCAGAACCTT TGATTCTGCA4020  
CAAGATTTCC TTGCTCTGGG AACAACCCCC AAATGCCCTT GGGAGGAACA ACATGAGCTC4080  
AGGAAGCCTC TCTTTCTTCA CTTACCATTA CTAACCTCC AAGCATAGAA ATCCCTGGGA4140  
ATTGCGAGAA TAACTCCAC TATTTTAAAA TTTATATTCA GATTTGTTTC GTTTCATAAG4200  
ACACATCAAA CAGGCCTATA CAAAGGTTT AGGAAAAGAA AACAATGGTG AGTCCCGGCC4260  
CTCTTCGAAT TCACTGGCAC CTCATGCAAG TGTAGGAAGG CCCCCAACCC TGAGGATGCC4380  
ATTCCAAAGC TGTCCTTTGC CATCTCATCC CTGSCCTGC CCCCCAACCC TGAGGATGCC4380  
CCTGCCATCC CCCCCAACCTC CTCATATTGC CTCTGAACCC AGATGGCAAT CCATCCCGGT4440  
TCTCTCTGAG GGGCACGGGC TTGGGTAGTG GAAAGGGTGT TTGGGAAATT GTTAAATCAG4500  
TTACCCGTAG TAGAGCTATT TCTTGTAATT CTAAGTTTTC TAGAAGTGGA AGGATTGTAG4560  
TCATCCTGAA AATGGGTTTA CTTCAAAATC CCTCAGCCTT GTTCTTCACG ACTGTCTATA4620  
CTGAGAGTGT CATGTTTCCA CAAAGGGCTG ACACCTGAGC CTGGATTTTC ACTCATCCCT4680  
GAGAAGCCCT TTCCAGTAGG GTGGGCAATT CCCAACTTCC TTGCCACAAG CTTCCAGGC4740  
TTTCTCCCTT GGAAAACCTC AGCTTGAGTC CCAGATACAC TCATGGGCTG CCCTGGGCAG4800  
CCAGCATTC AATGTAAGTTT CCTCTTTGAA AACTGGTGTG TGGGTGTTCA GTTCTGTGTC4860  
TGGTGGGTAT GGACAGACAG TAATCTCCTG TGATCTGTGC TAGCTGTGAG GCAGCTCTGG4920  
AACGTGAAGA GCTGTTTGGT TTGAACCGTG AACAAAACCTG TGTTTTGAGT TTAGCTGACA4980

-172

TTAAAGAAAA AAGTTCATCA CGTGACTGTT AATGTAAACC TGGTTATTAA AATAACTATG5040  
 AAATTAC 5047

Name: 274 Len: 1231 Check: 1BCE  
 GACAAGATGG CCACACCGGG GTACCAAGTA AGTGCTCCTC CGGCCACGCC AACCCACAGTC 60  
 CCGGCTGCGG CCCCAGCCTC AGTTCAGCG CCAACGCCAG CACCGGCTGC GGCTCCGGTT 120  
 CCGGCTGCGG CCCCAGCCTC ATCCTCAGAC CCGGCGGCG CAGCGGCTGC AACTGCGGCT 180  
 CCTGGCCAGA CCCCAGCCTC AGCGCAAGCT CCAGCGCAGA CCCCAGCGCC CGCTCTGCCT 240  
 GGTCTGCTC TTCCAGGGCC CTTCCCCGGC GGCCGCGTGG TCAGGCTGCA CCCAGTCAAT 300  
 TTGGCTTCCA TTGTGGACAG CTACGAGAGA CGCAACGAGG GTGCTGCCCG AGTTATCGGG 360  
 ACCCTGTTGG GAACTGTGCA CAAACACTCA GTGGAGGTCA CCAATTGCTT TTCAGTGCCG 420  
 CACAATGAGT CAGAAGATGA AGTGGCTGTT GACATGGAAT TTGCTAAGAA TATGTATGAA 480  
 CTGCATAAAA AAGTTTCTCC AAATGAGCTC ATCCTGGGCT GGTACGCTAC GGGCCATGAC 540  
 ATCACAGAGC ACTCTGTGCT GATCCATGAG TACTACAGCC GAGAGGCCCC CAACCCCATC 600  
 CACCTCACTG TGGACACAAG TCTCCAGAAC GGCCGCGATGA GCATCAAGC CTACGTCAGC 660  
 ACTTTAATGG GAGTCCCTGG GAGGACCATG GGAGTGATGT TCACGCCTCT GACAGTGAAG 720  
 TACGCGTACT ACGACACTGA ACGCATCGGA GTTGACCTGA TCATGAAGAC CTGCTTTAGC 780  
 CCCAACAGAG TGATTGGACT CTCAGTGAC TTGCAGCAAG TAGGAGGGGC ATCAGCTCGC 840  
 ATCCAGGATG CCTGAGTAC AGTGTGCAA TATGCAGAGG ATGTACTGTC TGGAAAGGTG 900  
 TCAGCTGACA ATACTGTGGG CCGCTTCTCG ATGAGCCTGG TTAACCAAGT ACCGAAAATA 960  
 GTTCCCGATG ACTTTGAGAC CATGCTCAAC AGCAACATCA ATGACCTTTT GATGGTGACC1020  
 TACCTGGCCA ACCTCACACA GTCACAGATT GCACCTCAATG AAAAAGTTGT AAACCTGTGA1080  
 ATGGACCCCC AGCAGTACAC TTGCTGGTCT AGGTATTAAC CCCAGGACTC AGAAGTGAAG1140  
 GAGAAATGGG TTTTTTGTGG TCTTGAGTCA CACTGAGATA GTCAGTTGTG TGTGACTCTA1200  
 ATAAACGGAG CCTACCTTTT GTAAAAAAA A 1231

Name: 275 Len: 8368 Check: 1FA2  
 GCGATCCGGG CGCCACCCCG CGGTCAATCG TCACCGGTCT CTCTCAGGAA CAGCAGCGCA 60  
 ACCTCTGCTC CCTGCTCGC CTCCCGCGCG CCTAGGTGCC TGCGACTTTA ATTAAGGGC 120  
 CGTCCCTCG CGGAGGCTGC AGCACCAGCC CCCCAGGCTT TCGCGCTCA AAATGAGTAG 180  
 CTCCCACTCT CGGGCGGGCC AGAGCGCAGC AGGCGCGGCT CCGGGCGGCG GCGTCGACAC 240  
 GCGGGACGCC GAGATGCGCG CCACCGAGAA GGACCTGGCG GAGGACGCGC CGTGAAGAA 300  
 GATCCAGCAG AACACTTTCA CGCGCTGGTG CAACGAGCAC CTGAAGTGCG TGAGCAAGCG 360  
 CATCGCCAAC CTGCAGACGG ACCTGAGCGA CCGGCTGCGG CTTATCGCGC TGTGGAGGT 420  
 GCTCAGCCAG AAGAAGATGC ACCGCAAGCA CAACAGCGG CCCACTTTCC GCCAAATGCA 480  
 GCTTGAGAAC GTGTCGGTGG CGCTCGAGTT CCTGGACCGC GAGAGCATCA AACTGTTGTC 540  
 CATCGACAGC AAGGCCATCG TGGACGGGAA CCTGAAGCTG ATCCTGGGCG TCATCTGGAC 600  
 CCTGATCCTG CACTACTCCA TCTCCATGCC CATGTGGGAC GAGAGGAGG ATGAGGAGGC 660  
 CAAGAAGCAG ACCCCCAAGC AGAGGCTCCT GGGCTGGATC CAGAACAAGC TGCCGAGCT 720  
 GCCCATCACC AACTTCAGCC GGGACTGGCA GAGCGGCGG GCCCTGGGCG CCCTGGTGGA 780  
 CAGCTGTGCC CCGGGCCTGT GTCTGACTG GGACTCTTGG GAGGCCAGCA AGCCCGTTAC 840  
 CAATGCGCGA GAGGCCATGC AGCAGGCGGA TGACTGGCTG GGCATCCCCC AGGTGATCAC 900  
 CCCCAGGAG ATTGTGGACC CCAACGTGGA CGAGCACTCT GTCATGACCT ACCTGTCCCC 960  
 GTTCCCCAAG GCCAAGCTGA AGCCAGGGGC TCCCTTGCGC CCCAACTGA ACCCGAAGAA1020  
 AGCCCGTGCC TACGGGCCAG GCATCGAGCC CACAGGCAAC ATGGTGAAGA AGCGGGCAGA1080  
 GTTCACTGTG GAGACCAGAA GTGCTGGCCA GGGAGAGGTG CTGGTGTACG TGGAGGACCC1140  
 GGCCGGACAC CAGGAGGAGG CAAAAGTGAC CGCCAATAAC GACAAGAACC GCACCTTCTC1200  
 CGTCTGGTAC GTCCCGGAGG TGACGGGGAC TCATAAGTT ACTGTGCTCT TTGCTGGCCA1260  
 GCACATCGCC AAGAGCCCT TCGAGGTGTA CGTGGATAAG TCACAGGGTG ACGCCAGCAA1320  
 AGTGACAGCC CAAGTCCCCG GCCTGGAGCC CAGTGGCAAC ATCGCCAACA AGACCACCTA1380  
 CTTTGAGATC TTTACGGCAG GAGCTGGCAC GGGCGAGGTG GAGGTTGTGA TCCAGGACCC1440  
 CATGGGACAG AAGGGCACGG TAGAGCCTCA GCTGGAGGCC CCGGGCGACA GCACATACCG1500  
 CTGCAGCTAC CAGCCCCACCA TGGAGGGCGT CCACACCGTG CACGTACAGT TTGCCGCGT1560  
 GCCCATCCCT CGCAGCCCTT AACTGTGTC TGTGGCCAA GCCTGTAACC CGAGTGCCTG1620  
 CCGGGCGGTT GGCCGGGGCC TCCAGCCCAA GGGTGTGCGG GTGAAGGAGA CAGCTGACTT1680  
 CAAGGTGTAC ACAAAGGGCG CTGGCAGTGG GGAGCTGAAG GTCACCGTGA AGGGCCCCAA1740  
 GGGAGAGGAG CGCGTGAAGC AGAAGGACCT GGGGATGGC GTGTATGGCT TCGAGTATTA1800  
 CCCCATGGTC CCTGGAACCT ATATCGTCAC CATCACGTGG GGTGGTCAGA ACATCGGGCG1860  
 CAGTCCCTTC GAAGTGAAGG TGGGCACCGA GTGTGGCAAT CAGAAGGTAC GGGCCTGGGG1920  
 CCCTGGGCTG GAGGGCGGCG TCGTTGGCAA GTCAGCAGAC TTTGTGGTGG AGGCTATCGG1980  
 GGACGACGTG GGCACGCTGG GCTTCTCGGT GGAAGGGCCA TCGCAGGCTA AGATCGAATG2040  
 TGCCGTTTAC GTGCTGTGCA ACAGCGAAGA CATCCGCTC AGCCCTTCA TGGCTGACAT2100  
 CCGTGACCG CCCCAGGACT TCCACCCAGA CAGGGTGAAG GCACGTGGGC CTGGATTGGA2220  
 GAAGACAGGT GTGGCCGTCA ACAAGCCAGC AGAGTTCACA GTGGATGCCA AGCAGGTGG2280

173

CAAGGCCCCCA CTTCCGGGTCC AAGTCCAGGA CAATGAAGGC TGCCCTGTGG AGGCGTTGGT2340  
CAAGGACAAC GGCAATGGCA CTTACAGCTG CTCCTACGTG CCCAGGAAGC CGGTGAAGCA2400  
CACAGCCATG GTGTCTGGG GAGGCGTCAG CATCCCCAAC AGCCCCCTCA GGGTGAATGT2460  
GGGAGCTGGC AGCCACCCCA ACAAGGTCAA AGTATACGGC CCCGGAGTAG CCAAGACAGG2520  
GCTCAAGGCC CACGAGCCCA CCTACTTCAC TGTGGACTGC GCCGAGGCTG GCCAGGGGGA2580  
CGTCAGCATC GGCATCAAGT GTGCCCTGG AGTGGTAGGC CCCGCCGAAG CTGACATCGA2640  
CTTCGACATC ATCCGCAATG ACAAAGACAC CTTACAGGTC AAGTACACGC CCCGGGGGGC2700  
TGGCAGCTAC ACCATTATGG TCCTCTTTGC TGACCAGGCC ACGCCACCA GCCCATCCG2760  
AGTCAAGGTG GAGCCCTCTC ATGACGCCAG TAAGGTGAAG GCCGAGGGCC CTGGCCTCAG2820  
TCGCACTGGT GTGAGCTTG GCAAGCCAC CCACTTCACA GTAAATGCCA AAGCTGCTGG2880  
CAAAGGCAAG CTGGAAGTCC AGTTCTCAGG ACTCAACAAAG GGGGATGCAG TGCGAGATGT2940  
GGACATCATC GACCACCATG ACAAACCTA CACAGTCAAG TACACGCTG TCCAGCAGGG3000  
TCCAGTAGGC GTCAATGTCA CTTATGGAGG GGATCCCATC CCTAAGAGCC CTTTCTCAGT3060  
GGCAGTATCT CCAAGCCTGG ACCTCAGCAA GATCAAGGTG TCTGGCCTGG GAGAGAAGGT3120  
GGACGTTGGC AAAGACCAGG AGTTCACAGT CAAATCAAAG GGTGCTGGTG GTCAAGGCAA3180  
AGTGGCATCC AAGATTGTGG GCCCTCGGG TGCCAGCGTG CCCTGCAAGG TGGAGCCAGG3240  
CCTGGGGGCT GACAAACAGT TGGTGCCTT CCTGCCCGT GAGGAAGGGC CCTATGAGGT3300  
GGAGGTGACC TATGACGGCG TGCCCGTGCC TGGCAGCCCC TTCTCTCTGG AAGCTGTGGC3360  
CCCCACCAAG CCTAGCAAGG TGAAGCGCT TGGGCGGGG CTGCAGGGAG GCAGTGGCGG3420  
CTCCCCCGCC CGCTTCACCA TCGACACCAA GGGCGCCGGC ACAGGTGGCC TGGGCCTGAC3480  
GGTGGAGGGC CCCTGTGAGG CGCAGCTCGA GTGCTTGGAC AATGGGGATG GCACATGTTC3540  
CGTGTCTTAC GTGCCACCG AGCCCGGGGA CTACAACATC AACATCCTCT TCGCTGACAC3600  
CCACATCCCT GGCTCCCAT TCAAGGCCA CGTGGTTCCC TGCTTTGACG CATCCAAAGT3660  
CAAGTGCTCA GGGCCGGGGC TGGAGCGGG CACCGCTGGG GAGGTGGGG AATTCCAAGT3720  
GGACTGCTCG AGCGCGGGCA GCGCGGAGT GACCATTGAG ATCTGCTCG AGGCGGGGCT3780  
TCCGGCCGAG GTGTACATCC AGGACCACGG TGATGGCAG CACACCATTA CCTACATTCC3840  
CCTCTGCCCC GGGGCCTACA CCGTCACCAT CAAGTACGGC GGCCAGCCCC TGCCCACTT3900  
CCCCAGCAAG CTGCAGGTGG AACCTGCGGT GGACACTTCC GGTGTCCAGT GCTATGGGCC3960  
TGGTATTGAG GGCCAGGGTG TCTTCCGTGA GGCCACCACT GAGTTCAGTG TGGACGCCCC4020  
GGCTCTGACA CAGACCGGAG GGCCGCACGT CAAGGCCCGT GTGGCCAACC CCTCAGGCAA4080  
CCTGACGGAG ACCTACGTTT AGGACCGTGG CGATGGCATG TACAAAGTGG AGTACACGCC4140  
TTACGAGGAG GGAATGCACT CCGTGGACGT GACCTATGAC GGCAGTCCC TGCCAGCAAG4200  
CCCCTTCCAG GTGCCCGTGA CCGAGGGCTG CGACCCCTCC CGGGTGGTG TCCACGGGCC4260  
AGGCATCCAA AGTGGCACCA CCAACAAGCC CAACAAGTTC ACTGTGGAGA CCAGGGGAGC4320  
TGGCACGGGC GGCCTGGGCC TGGCTGTAGA GGGCCCTCC GAGGCCAAGA TGTCTGCT4380  
GGATAACAAG GACGGCAGCT GCTCGGTGCA GTACATCCCT TATGAGGCTG GCACCTACAG4440  
CCTCAACGTC ACCTATGGTG GCCATCAAGT GCCAGGCAGT CCTTTCAAG TCCCTGTGCA4500  
TGATGTGACA GATGCGTCCA AGGTCAAGTG CTCTGGGCCC GGCTGAGCC CAGGCATGGT4560  
TCGTGCCAAC CTCCCTCAGT CCTTCCAGGT GGACACAAGC AAGGCTGGTG TGGCCCCATT4620  
GCAGGTCAAA GTGCAAGGGC CCAAAGGCCT GGTGGAGCCA GTGGACGTGG TAGACAACGC4680  
TGATGGCACC CAGACCGTCA ATTATGTGCC CAGCCGAGAA GGGCCCTACA GCATCTCAGT4740  
ACTGTATGGA GATGAAGAGG TACCCCGGAG CCCCTTCAAG GTCAAGGTGC TGCCTACTCA4800  
TGATGCCAGC AAGGTGAAGG CCAGTGGCCC CCGGCTCAAC ACCACTGGCG TGCCTGCCAG4860  
CCTGCCCCGTG GAGTTCACCA TCGATGCAAA GGACGCCGGG GAGGGCCTGC TGGCTGTCCA4920  
GATCACGGAT CCCGAAGGCA AGCCGAAGAA GACACACATC CAAGACAACC ATGACGGCAC4980  
GTATACAGTG GCCTACGTGC CAGACGTGAC AGGTGCTTAC ACCATCCTCA TCAAGTACGG5040  
TGGTGACGAG ATCCCCCTCT CCCCCTACCG CGTGGCTGCC GTGCCCCACG GGGACGCCAG5100  
CAAGTGCAGT GTCAAGGTGT CAATCGGAGG TCACGGGCTA GGTGCTGGCA TCGGCCCCAC5160  
CATTCAGATT GGGGAGGAGA CCGTGATCAC TGTGGACACT AAGGCGGCAG GCAAAGGCAA5220  
AGTACGCTGC ACCGTGTGCA CGCCTGATGG CTCAGAGGTG GATGTGGACG TGGTGGAGAA5280  
TGAGGACGGC ACTTTCGACA TCTTCTACAG GGCCCCCAG CCGGGCAAAT ACGTCATCTG5340  
TGTGCGCTTT GTTGGCGAGC ACGTGCCCCA CAGCCCCCTT CAAGTGACGG CTCTGGCTGG5400  
GGACCAGCCC TCGGTGACGC CCCCTCTACG GTCTCAGCAG CTGGCCCCAC AGTACACCTA5460  
CGCCAGGGC GGCCAGCAGA CTTGGGCCCC GGAGAGGGCC CTGGTGGGTG TCAATGGGCT5520  
GGATGTGACC AGCCTGAGGC CCTTTGACCT TGTCTATCCC TTCACCATCA AGAAGGGCGA5580  
GATCACAGGG GAGGTTCGGA TGCCCTCAGG CAAGGTGGCG CAGCCCAACA TCACTGACAA5640  
CAAAGACGGC ACCGTGACCG TGCGGTATGC ACCCAGCGAG GCTGGCCTGC ACGAGATGGA5700  
CATCCGCTAT GACAACATGC ACATCCCAGG AAGCCCTTG CAGTCTATG TGGATTACGT5760  
CAACTGTGGC CATGTCACTG CCTATGGGCC TGCCCTCACC CATGGAGTAG TGAACAAGCC5820  
TGCCACCTTC ACCETCAACA CCAAGGATGC AGGAGAGGGG GGCTGTCTC TGGCCATTGA5880  
GGGCCCCGTC AAAGCAGAAA TCAGCTGCAC TGACAACCAG GATGGGACAT GCAGCGTGTG5940  
CTACCTGCCT GTGCTGCCGG GGGACTACAG CATTCTAGTC AAGTACAATG AACAGCACGT6000  
CCCAGGCAGC CCCTTCACTG CTCGGGTAC AGGTGACGAC TCCATGCGTA TGTCCACCT6060

174

AAAGGTCGGC TCTGCTGCGG ACATCCCCAT CAACATCTCA GAGACGGATC TCAGCCTGCT6120  
 GACGGCCACT GTGGTCCCAG CCTCGGGCCG GGAGGAGCCC TGTTTGCTGA AGCGGCTGCG6180  
 TAATGGCCAC GTGGGGATTT CATTCTGCCC CAAGGAGACG GGGGAGCACC TGGTGCATGT6240  
 GAAGAAAAAT GGCCAGCAGC TGGCCAGCAG CCCCATCCCC GTGGTGATCA GCCAGTCCGA6300  
 AATTGGGGAT GCCAGTCGTG TTCGGGTCTC TGGTCAGGGC CTTACAGAA GGCACACCTT6360  
 TGAGCCTGCA GAGTTTATCA TTGATACCCG CGATGCAGGC TATGGTGGGC TCAGCCTGTC6420  
 CATTGAGGGC CCCAGCAAGG TGGACATCAA CACAGAGGAC CTGGAGGACC GGACGTGCAG6480  
 GGTACCTAC TGCCCCACAG AGCCAGGCAA CTACATCATC AACATCAAGT TGCCGACCA6540  
 GCACGTGCCT GGCAGCCCCC TCTCTGTGAA GGTGACAGGC GAGGGCCGGG TGAAGAGAG6600  
 CATCACCCGC AGGCGTCGGG CTCCTTCAGT GGCCAAACGTT GGTAAGTCATT GTGACCTCAG6660  
 CCTGAAAATC CCTGAAATTA GCATCCAGGA TATGACAGCC CAGGTGACCA GCCCATCGGG6720  
 CAAGACCCAT GAGGCCGAGA TCGTGGAAGG GGAGAACCAC ACCTACTGCA TCCGCTTTGT6780  
 TCCCGCTGAG ATGGGCACAC ACACAGTCAG CGTCAAGTAC AAGGGCCAGC ACCTGCCCTGG6840  
 GAGCCCCCTC CAGTTCACCG TGGGGCCCCC AGGGGAAGGG GGAGCCCCACA AGGTCCGAGC6900  
 TGGGGGGCCCT GGCTTGAGGA GAGCTGAAGC TGGAGTGCCA GCCGAATTCA GTATCTGGAC6960  
 CCGGGAAGCT GGTGCTGGAG GCCTGGCCAT TGCTGTGAG GGGCCAGCA AGGCTGAGAT7020  
 CTCTTTTGAG GACCGCAAGG ACGGCTCCTG TGGTGTGGCT TATGTGGTCC AGGAGCCAGG7080  
 TGACTACGAA GTCTCAGTCA AGTTCACGA GGAACACATT CCCGACAGCC CCTTCGTGGT7140  
 GCCTGTGGCT TCTCCGTCTG GCGACGCCCC CCGCTCAGT GTTTCTAGCC TTCAGGAGTC7200  
 AGGGCTAAAG GTCAACCAGC CAGCCTCTTT TGCAGTCAGC CTGAACGGGG CCAAGGGGGC7260  
 GATCGATGCC AAGGTGCACA GCGCTCAGG AGCCCTGGAG GAGTGCTATG TCACAGAAAT7320  
 TGACCAAGAT AAGTATGCTG TGGCTTCAT CCCTCGGGAG AATGGCGTTT ACCTGATTGA7380  
 CGTCAAGTTC AACGGTACCC ACATCCCTGG AAGCCCCCTC AAGATCCGAG TTGGGGAGCC7440  
 TGGGCTAGGA GGGGACCCAG GCTTGGTGTC TGCTTACGGA GCAGGTCTGG AAGGCGGTGT7500  
 CACAGGGAAC CCAGCTGAGT TCGTCTGAA CACGAGCAAT GCGGGAGCTG GTGCCCTGT7560  
 GGTGACCATT GACGGCCCCC CCAAGGTGAA GATGGATTGC CAGGAGTGCC CTGAGGGCTA7620  
 CCGCGTCACC TATACCCCCA TGGCACCTGG CAGCTACCTC ATCTCCATCA AGTACGGCGG7680  
 CCCCTACCAC ATTGGGGGCA GCGCTTCAA GGCCAAAGTC ACAGGCCCCC GTCTCGTCAG7740  
 CAACCACAGC CTCCACGAGA CATCATCAGT GTTTGTAGAC TCTCTGACCA AGGCCACCTG7800  
 TGCCCCCAGG CATGGGGGCC CCGGTCCTGG GCCTGCTGAC GCCAGCAAGG TGGTGGCCAA7860  
 GGGCCTGGGG CTGAGCAAGG CCTACGTAGG CCAGAAGAGC AGCTTCACAG TAGACTGCAG7920  
 CAAAGCAGGC AACACATGC TGCTGGTGGG GGTTCATGGC CCAAGGACCC CCTGCGAGGA7980  
 GATCCTGGTG AAGCACGTGG GCAGCCGGCT CTACAGCGTG TCCTACCTGC TCAAGGACAA8040  
 GGGGGAGTAC AACTGGTGG TCAAATGGGG GCACGAGCAC ATCCAGGCA GCGCCCAAGC CTGCCCCGCT8160  
 CGTTGTGGTG CCCTGAGTCT GGGGCCCCGTG CAGCCCGGCA GCGCCCGCTG GCGCCCCGCC8220  
 ACCAAGCAG CCGCGCCCTC TTCCCTCAA CCGCGGCCCA GGCCGCCCCG CCGCCCCGCC8280  
 TGTCACTGCA GCTGCCCTG CCTGTGCGG TGCTGCGCTC ACCTGCCCTC CAGCCAGCC8340  
 GCTGACCTCT CGGCTTTTAC TTGGGCAGAG GGAGCCATTT GGTGGCGCTG CTTGTCTTCT8360  
 TTGGTTCTGG GAGGGGTGAG GGATGGGG

Name: 276

Len: 4803 Check:

FF4

GCGGCTGCCT AGTTGACGCA CCCATTGAGT CGCTGGCTTC TTTGCAGCGC TTCAGCGTTT 60  
 TCCCTGGAG GCGGCTCCA TCCTTGGAGG CTAAGTGCCG TCGGAGAAGA GAGCGGGAGC 120  
 CGCGGACAGA GACGCGTGCG CAATTCCGAG CCGACTCTGG GTGCGGACTG TGGGAGCTGA 180  
 CTCTGGGTAG CCGGCTGCGC GTGGCTGGGG AGGCGAGGCC GGACGCACCT CTGTTTGGGG 240  
 GTCCTCAGAG ATTAATGATT CATCAAGGGA TAGTTGTACT GTTCTCGTGG GAATCACTTC 300  
 ATCATGCGAA ATCTGAAATT ATTTCCGACC CTGGAGTTCA GGGATATTCA AGGTCCAGGG 360  
 AATCCTCAGT GCTTCTCTCT CCGAACTGAA CAGGGGACGG TGCTCATTGG TTCAGAACAT 420  
 GGCCTGATAG AAGTAGACCC TGTCTCAAGA GAAGTGAAAA ATGAAGTTTC TTTGGTGGCA 480  
 GAAGGCTTTC TTCCAGAGGA TGGAAGTGGC CGCATTGTTG GTGTTTCAGGA CTTGCTGGAT 540  
 CAGGAGTCTG TGTGTGTGGC CACAGCCTCT GGAGACGTCA TACTCTGCAG TCTCAGCACA 600  
 CAACAGCTGG AGTGTGTGG GAGTGTAGCC AGTGGTATCT CTGTTATGAG TTGGAGTCTC 660  
 GACCAAGAGC TGGTGTCTCT TGCCACAGGT CAACAGACCC TGATTATGAT GACAAAAGAT 720  
 TTTGAGCCAA TCCTGGAGCA GCAGATCCAT CAGGATGATT TTGGTGAAAG CAAGTTTATC 780  
 ACTGTTGGAT GGGGTAGGAA GTCTGCTTTG CCCTGGGATG ACCATAGACC ACAAGTTACC 900  
 TTTCAATGC AAATGCATGA GTCTGCTTTG AGTGTGTTT GCGGAGAAAC AGGGGCTCGG 960  
 TGGCGGGGGG ATGGACAGTT TTTTGTGTG AGTGTGTTT GCGGAGAAAC AGGGGCTCGG 960  
 AAGGTCAGAG TGTGGAACCG AGAGTTTGCT TTGCAAGTCA CCAGTGAGCC TGTGGCAGGA1020  
 CTGGGACCAG CCCTGGCTTG GAAACCCTCA GGCAGTTTGA TTGCATCTAC ACAAGATAAA1080  
 CCCAACCAGC AGGATATTGT GTTTTTTGG AAAAAATGGAC TCCTTCATGG ACACTTTACAA1140  
 CTTCCCTTCC TTAAAGATGA GGTTAAGGTA AATGACTTGC TCTGGAATGC AGATTCTCT1200  
 GTGCTTGCA TCCGCTGGA AGACCTTCA AGAGAAAAA GCTCCATTCC GAAAACCTGT1260  
 GTTCAGCTCT GGAAGTTGG AACTATCAC TGGTATCTCA AGCAAAGTTT ATCCTTCAGC1320  
 ACCTGTGGGA AGAGCAAGAT TGTGTCTCTG ATGTGGGACC CTGTGACCCC ATACGGGCTG1380

175

CATGTTCTCT GTCAGGGCTG GCATTACCTC GCCTATGATT GGCCTGGAC GACTGACCGG1440  
 AGCGTGGGAG ATAATTCAAG TGACTTGTC AATGTGGCTG TCATTGATGG AAACAGGGTG1500  
 TTGGTGACAG TCTTCCGGCA GACTGTGGTT CCGCCTCCCA TGTGCACCTA CCAACTGCTG1560  
 TTCCACACACC CTGTGAATCA AGTCACATTC TTAGCACACC CTCAAAAGAG TAATGACCTT1620  
 GCTGTTCTAG ATGCCAGTAA CCAGATTTCT GTTTATAAAT GTGGTGATTG TCCAAGTGCT1680  
 GACCCTACAG TGAAACTGGG AGCTGTGGGT GGAAGTGGAT TTAAAGTTTG CCTTAGAACT1740  
 CCTCATTTGG AAAAGAGATA CAAAATCCAG TTTGAGAATA ATGAAGATCA AGATGTAAAC1800  
 CCGCTGPAAC TAGGCCTTCT CACTTGGATT GAAGAAGACG TCTTCCTGGC TGTAAGCCAC1860  
 AGTGAGTTCA GCCCCGGTCT TGTCATTCAO CATTTGACTG CAGCTTCTTC TGAGATGGAT1920  
 GAAGAGCATG GACAGCTCAA TGTCAGTTCA TCTGCAGCGG TGGATGGGGT CATAATCAGT1980  
 CTATGTTGCA ATTCCAAGAC CAAGTCAGTA GTATTACAGC TGGCTGATGG CCAGATATTT2040  
 AAGTACCTTT GGGAGTCACC TTCTCTGGCT ATTAACCAT GGAAGAACTC TGGTGGATTT2100  
 CCTGTTCCGT TTCCTTATCC ATGCACCCAG ACCGAATTGG CCATGATTGG AGAAGAGGAA2160  
 TGTGTCCTTG GTCTGACTGA CAGGTGTGCG TTTTTCATCA ATGACATTGA GGTTCGCTCA2220  
 AATATCACGT CATTTCAGT ATATGATGAG TTTTATTGT TGACAACCCA TTCCCATACC2280  
 TGCCAGTGTT TTTGCTGAG GGATGCTTCA TTTAAACAT TACAGGCCGG CCTGAGCAGC2340  
 AATCATGTGT CCCATGGGGA AGTTCTGCGG AAAGTGGAGA GGGGTTACG GATTGTCACT2400  
 GTTGTGCCCC AGGACACAAA GCTTGATTA CAGATGCCAA GGGGAACTT AGAAGTTGTT2460  
 CATCATCGAG CCTGGT TTTT AGCTCAGATT CGGAAGTGGT TGGACAACT TAIGTTTAAA2520  
 GAGGCATTTG AATGCATGAG AAAGCTGAGA ATCAATCTCA ATCCGATTTA TGATCATAAC2580  
 CCTAAGGTGT TTCTTGAAA TGTGGAAC TTTCAATAAC AGATAGATTG TGTGAATCAT2640  
 ATTAAGTTGT TTTTACAGA ATTGAAAGAA GAAGATGTCA CGAAGACCAT GTACCTGCA2700  
 CCAAGTTACCA GCAGTGTCTA CCTGTCCAGG GATCCTGACG GGAATAAAAT AGACCTTGTC2760  
 TGCGATGCTA TGAGAGCAGT CATGGAGAGC ATAAATCCTC ATAAATACTG CCTATCCATA2820  
 CTTACATCTC ATGTAAAGAA GACAACCCCA GAAGTGGAAA TTGTACTGCA AAAAGTACAC2880  
 GAGCTTCAAG GAAATGCTCC CTCTGATCCT GATGCTGTGA GTGCTGAAGA GGCCTTGAAA2940  
 TATTTGCTGC ATCTGGTAGA TGTTAATGAA TCACAGAAGG ATCCCAAAGA ATATCTTCCA3060  
 TTTGATTTGG TCCTCATGGT AGCTGAGAAG TCACAGAAGG ATCCCAAAGA ATATCTTCCA3060  
 TTTCTTAATA CACTTAAGAA AATGGAACT AATTATCAGC GGTTTACTAT AGACAAATAC3120  
 TTGAAACGAT ATGAAAAAGC CATTGGCCAC CTCAGCAAAT GTGGACCTGA GTACTTCCCA3180  
 GAATGCTTAA ACTTGATAAA AGATAAAAC TTGTATAACG AAGCTCTGAA GTTATATTCA3240  
 CCAAGCTCAC AACAGTACCA GGATATCAGC ATTGCTTATG GGGAGCACCT GATGCGAGAG3300  
 CACATGTATG AGCCAGCGGG GCTCATGTTT GCGCGTTGCG GTGCCCACGA GAAAGCTCTC3360  
 TCAGCCTTTC TCACATGTGG CAAGTGGAA AGAAGCTCTG CAGGAAAGCT GGTGAGCAG3480  
 TTTACCAAAG ACCAGCTGGT GGGCCTCGGC CATGGTTTTG GAAGAGTGTG CCCAGGATTA TGAAGAAGCT3540  
 AGGAAGCACA TTGATGCGGC AGCTGCCTGG GAAGAGCTT TGAGGCTGGT ATACAAATAT3600  
 GTGCTCTTGC TGTTAGAAGG AACTGGAAG CAAGCCCTCT GTGTTGGCAGC CCAGCTTAAC3420  
 AACAGACTGG ATATTATAGA AACCAACGTA AAGCCTTCCA TTTTAGAAGC CCAGAAAAAT3660  
 TATATGGCAT TTCTGGACTC TCAGACAGCC ACATTCACTG GCCACAAGAA ACGTTTATG3720  
 GTAGTTTCAG AGCTCAAGGA GCAAGCCCAG CAGGCAGGTC TGGATGATGA GGTACCCAC3780  
 GGGCAAGAGT CAGACCTCTT CTCTGAAACT AGCAGTGTG TGAGTGGCAG TGAGATGAGT3840  
 GGCAAACTACT CCCATAGTAA CTCCAGGATA TCAGCGAGAT CATCCAAGAA TCGCCGAAA3900  
 GCGGAGCGGA AGAAGCACAG CCTCAAAGAA GGCAGTCCGC TGGAGGACCT GGGCCTCTG3960  
 GAGGCACTGA GTGAAGTGGT GCAGAACACT GAAACCTGA AAGATGAAGT ATACCATATT4020  
 TTAAAGGTAC TCTTTCTCTT TGAGTTTGAT GAACAAGGAA GGGGAATTACA GAAGGCCTTT4080  
 GAAGATACGC TGCAGTTGAT GGAAAGGTCA CTTCCAGAAA TTTGGACTCT TACTTACCAG4140  
 CAGAATTCAG CTACCCCGGT TCTAGGTCCC AATTCTACTG CAAATAGTAT CATGGCATCT4200  
 TATCAGCAAC AGAAGACTTC GGTTCCTGTT CTTGATGCTG AGCTTTTTAT ACCACCAAG4260  
 ATCAACAGAA GAACCCAGTG GAAGCTGAGC CTGCTAGACT GAGTGAAGT AGTTAGGAGG4320  
 GATCCGACAG AGAAGACCAT TTCCACTCAT TCCTGTTGTC CTACCACCCC TTGCTCTTTG4380  
 AGGGCTGGCT ATTGAGAACT GGAAAGAGTA AAATGATAAC TTACCTTAGC ATTGCCAAGA4440  
 ACTTCAGCAG ACAACAAGCA ATTCTATTTA TTTTATGTTG TGTATACATC TTGATCATT4500  
 GCAAGACATT AAGCTTTAAC CATTATGGCA CCATTTTGTG AGAATGATTG TTCTTCACT4560  
 TGGGCTGTTT GAGAGCATAA TTATGGTAAT CATGAGATTA ATGTTTTCATG ATTTCTACCT4620  
 CCRAAGTGTG AAGACAAGTA AAACAATGTT TCTAAATGT CTTATTTTGT TGGCGGAGAA4680  
 GATTACAATG GCTATTAGTG CTACATTTGG TCAAATGTAA TCACTTAAAT AGCTTCTTGT4740  
 CACCTTAAAC TAAAGCAGAA TAAAAAGTAT CCTTTGAAAT TAAAAAAAC AAAAAAGCTA4800  
 AAA

Name: 277

Len: 3548 Check: 1972

TGGCCGAAGC AGGGGGACAG CAAGGGACGC TCAGGCGGGG ACCATGGCGG ACGGCGGCTC 60  
 GGAGCGGGCT GACGGGGCGA TCGTCAAGAT GGAGGTGGAC TACAGCGCCA CCGTGGATCA 120  
 GCGCCTACCC GAGTGTGCGA AGCTAGCCAA GGAAGGAAGA CTTCAAGAAG TCATTGAAAC 130  
 CCTTCTCTCT CTGGAAGC AGACTCGTAC TGCTTCCGAT ATGGTATCGA CATCCCGTAT 240



176

CTTAGTTGCA GTAGTGAAGA TGTGCTATGA GGCTAAAGAA TGGGATTTAC TTAATGAAAA 300  
 TATTATGCTT TTGTCCAAAA GSCGGAGTCA GTTAAACAA GCTGTTGCCA AAATGGTTCA 360  
 ACAGTGCTGT ACTTATGTTG AGGAAATCAC AGACCTTCCT ATCAAACTTC GATTAATTGA 420  
 TACTCTACGA ATGGTTACCG AAGGCAAGAT TTATGTTGAA ATTGAGCGTG CGCGACTGAC 480  
 TAAAAACATTA GCAACTATAA AAGAACAAAA TGGTGATGTG AAAGAGGCAG CCTCCATTTT 540  
 ACAGGAGTTA CAGGTGGAAA CCTACGGGTC AATGGAAGG AAAGAGCGAG TGGAAATTTAT 600  
 TTTGGAGCAA ATCAGGCTCT GCCTAGCTGT GAAGGATTAC ATTCGAACAC AAATCATCAG 660  
 CAAGAAAATT AACACCAAAAT TTTTCCAGGA AGAAAATACA GAGAAATTAA AGTTGAAGTA 720  
 CTATAATTTA ATGATTCAGC TGGATCAACA TGAGGGATCC TATTTGTCTA TTTGTAAGCA 780  
 CTACAGAGCA ATATAIGATA CTCCTGTAT ACAGGCAGAA AGTGAAAAAT GGCAGCAGGC 840  
 TCTGAAGAGT GTTGTACTCT ATGTTATCCT GGCTCCTTTT GACAATGAAC AGTCAGATTT 900  
 GGTTCCACCGA ATAAGTGGTG ACAAGAAGTT AGAAGAAATT CCCAAATACA AGGATCTTTT 960  
 AAGCTTTTTT ACCACAATGG AGTTGATGCG TTGGTCCACA CTTGTTGAGG ACTATGGAAT1020  
 GGAATTAAGA AAAGGTTCCC TTGAGAGTCC TGCAACGGAT GTTTTTGGTT CTACAGAGGA1080  
 AGGTGAAAAA AGGTGGAAG ACTTGAAGAA CAGAGTTGTT GAACATAATA TTAGAATAAT1140  
 GGCCAAGTAT TATACTCGGA TAACAATGAA AAGGATGGCA CAGCTTCTGG ATCTATCTGT1200  
 TGATGAGTCC GAAGCCTTTC TCTCAATCT AGTAGTTAAC AAGACCATCT TTGCTAAAGT1260  
 AGACAGATTA GCAGGAATTA TCAACTTCCA GAGACCCAAG GATCCAAATA ATTTATTAA1320  
 TGACTGGTCT CAGAACTGA ACTCATTAAT GTCTCTGGTT AACAAAACTA CGCATCTCAT1380  
 AGCCAAAGAG GAGATGATAC ATAATCTACA ATAAGGGTCT TAGTGCTTTA GAAAAAGTT1440  
 AAAATTGGAA GTCAATTAATA AAAGACTGTT ATAATGGTGT ATATGTTGGG GTTTTTTTTC1500  
 TAAGCTTCTT TGCTTAAAT TTTAAATAG TGAATATGTT TGAGACTCCC TTTGACCTTT1560  
 CAGTTCCCCA AGTTCATTGT TAACCTTGCA TTTGCAATTG GTGCAAAAAT ACAGATTTCT1620  
 GTCGTCTGAA TACACAAAA GTTGTTGTCAT AACCTACCCA GATATGTTT TCTATCATTT1680  
 GAAACCTTTT TAGCTACTGT TTGTTTTCAT TCACTAACA AACATAATCC AATAATAAAA1740  
 GCAGTATATA CATATTTCTT TCTACAGTT ACCTCTGATT CTCAACATTT TGTGGGGTAG1800  
 TGATTTGGCA AGTGTTTTTT AAATAAAACA AATCTCATTG TAAAGTTATC AGTCATTTAG1860  
 TAGAATAGAA AAGCAACATA GAGCATACAA GAACATTTGG GATAGAGTTG TGATTTGTGA1920  
 AGAATTGTA CTTTGATATT GTGGCGGAAA GTCTAGACTG AGTGTGTATG CTGGTAAACT1980  
 GTAGACTTTT TTTTTTTTTT TTGAGTCCGG CTGGTTCCAA TCACAGTAGC TTGATTGCTT2040  
 TCAGCCCTCA TCCTCTCACT TGATCAGTTG TCAACAGAA TCAGCTGACA TAATTGACAC2100  
 AGTTTATTGG GTGTTAAGTC CGCTCTATAG GGATAGTGAC TACTTTTTTT TTTTTTTTTT2160  
 TTTTGTCTCT TCTTCTCTCT CCCTTCTCTT ATATGGGTTT AAATTTAACA TAAAGTTGTT2220  
 TTTATAAGGC TTATTTGTGG CTTTAACTTG TAAGTCTGAT TACATCATTA TTGTTCCAAA2280  
 TTCATTATCT CTGTAGGAAC TTTTAGTTCC ATTATATGAA CACTGGATAA CCTAATTTTT2340  
 TTTAATGCTT TAAAAAAATG GCAAAAAGAC GTCAGGCCAC CCTCATAGTA AGTGGTGTAG2400  
 TATTAAAAA TTTTACCGGA ATTAAAAGTA GCTTGCTGTC AAAGAAACAC CTGAGATGAA2460  
 TTGSTGTGAA CGAATTTTGC AAGTTTAAAT TGATTTATTT CAGAGAAAAAT AGAAAAACA2520  
 ATGTTAGAAG GTTATTTAAA ATGATACTTA AATAAAGAAA GTGTGAGGTC TACTTTAAAA2580  
 AAATTCAAAT GAAGAGAAAA AGAAAAACAG CATTCTAGAA ATGGCATTTC TCCTAATTA2640  
 TTTTCCACTT AATGGAAGAT TATCAATTGT CCTATTTTAT GATCCCAGGA CTGAAGACAG2700  
 TTGTGGGATA TCTGTATAT TTATCCTGTG AGTCATTGNG AATAATGACA TACAGTACTG2760  
 AAGTAATCTG ATTTTATTCT TTGGAAATTC AATGCATTGG TCACACTAAT AACATCAACA2820  
 TCTGCTATCA CTTATCTTTT TAAAACTAAC CAAAAAAGGC TGGGATTACA GGCATGAGCC2880  
 ACTGCACCCA ACTCCTCTTT CGTCTTCTT TAACACACAC TAGGCTCTTT GTGTATTATG2940  
 ATTCAGTGCT ATTTGTAAT GTGTCCAGT GACCAAAATG CACTCGACTC GATCAGCTGT3000  
 TCATCCATTT CGTGTTTTTT CCGTCAAAAC ATTAATCCAG CAAATATATG AGGTATTTAC3060  
 CAATTTATTT TCTTAGTATT ACAAAAAAT TCATTAGCAT AAAGTACAAT AGTGAAATAT3120  
 TTGAGTTGTT CGGAACCTCA ATTAATCCTG TTTTACATTT CAGACCTAAA GCTGGCAATC3180  
 AGGAGAAGAA GCACTTTGTT TTAATGTGG AGAAGATAAC ACTTGATTCC ATTTCAATTG3240  
 CATTAGTGTA TTAACCAGCA GGAGAGGTGA TGAGCCATTT TTCAAATGAA ATACCTTTTA3300  
 TTTCCATATA ATTTTITTTT TTTAGAGTTC AATAGCTGTT TCTATGATTA TCCTCAATTT3360  
 CCATATGTTA CTGAATCTGA AAAACATCTT TAAATTCOA ACAGTTCCAT TTTCTCTCTT3420  
 GTAAGTGTTA AATGTGATAA AAGTACATAT TTTAAATGT TTTGAGCTCT TGGATATAGC3480  
 AGCAATAAAA AACTAATTT GTGGGTATTT AAGAAAACTT GGAGAATAAA CTCATACTTT3540  
 AAAAGATC

Name: 279

Len: 4022 Check:

2A0

GTACGTGCGC GTCTCCCTGC CGCCGCCGCC GCGCGCCCGC GCGCGCCCGC GGGCCGCCGT 60  
 CGCCGACGAC GCGCGGGAGG AGGAGGAGGA GGCGGCCCGC CCGCGCCCGC CGCCGCCGCC 120  
 GCGCGGCTC GCGCGGCCG GCGCGCCGGG CTCGCGAGCC CCGCGCCCGC CCGCAGGCCA 180  
 GGCCAGGCC GCGCGCGACA TGAACCACCA GCAGCAGCAG CAGCAGCAGA AAGCGGGCGA 240  
 GCAGCAGTTG AGCGAGCCCG AGGACATGGA GATGGAAGCG GGAGATACAG ATGACCCACC 300  
 AAGAATTACT CAGAACCTG TGATCAATGG GAATGTGGCC CTGAGTGATG GACACAACAC 360



177

CGCGGAGGAG GACATGGAGG ATGACACCAG TTGGCGCTCC GAGGCAACCT TTCAGTTCAC 420  
TGTGGAGGCG TTCAGCAGAC TGAGTGAGTC GGTCCCTTAGC CCTCCGTGTT TTGTGCGAAA 480  
TCTGCCATGG AAGATTATGG TGATGCCACG CTTTATATCCA GACAGACCAC ACCAAAAAAG 540  
CGTAGGATTC TTTCTCCAGT GCAATGCTGA ATCTGATTCC ACCTCATGGT CTTGCCATGC 600  
ACAAGCAGTG CTGAAGATAA TAAATTACAG AGATGATGAA AAGTCGTTCA GTCGTCGTAT 660  
TAGTCATTTG TTCTTCCATA AAGAAAATGA TTGGGGATTT TCCAATTTTA TGGCCTGGAG 720  
TGAAGTGACC GATCCTGAGA AAGGATTTAT AGATGATGAC AAAGTTACCT TTGAAGTCTT 780  
TGTACAGGCG GATGCTCCCC ATGGAGTTGC GTGGGATTCA AAGAAGCACA CAGGCTACGT 840  
CGGCTTAAAG AATCAGGGAG CGACTTGTTA CATGAACAGC CTGCTACAGA CGTTATTTTT 900  
CACGAATCAG CTACGAAAGG CTGTGTACAT GATGCCAACC GAGGGGGATG ATTTCGTCTAA 960  
AAGCGTCCCT TTAGCATTAC AAAGAGTGT CTATGAATTA CAGCAGTAGT ATAAACCTGT1020  
AGGAACAAAA AAGTTAACAA AGTCATTTGG GTGGGAAACT TTAGATAGCT TCATGCAACA1080  
TGATGTTTCA GAGCTTTGTC GAGTGTGCT CGATAATGTG GAAAATAAGA TGAAAGGCAC1140  
CTGTGTAGAG GGCACCATAC CCAAATTATT CCGCGGCAAA ATGGTGTCT ATATCCAGTG1200  
TAAAGAAGTA GACTATCGGT CTGATAGAAG AGAAGATTAT TATGATATCC AGCTAAGTA1260  
CAAAGGAAAG AAAAATATAT TTGAATCATT TGTGGATTAT GTGGCAGTAG AACAGCTCGA1320  
TGGGGACAAT AAATACGACG CTGGGGAACA TGGCTTACAG GAAGCAGAGA AAGGTGTGAA1380  
ATTCCTAACA TTGCCACCAG TGTTACATCT ACACTGATG AGATTTATGT ATGACCTCA1440  
GACGGACCAA AATATCAAGA TCAATGATAG GTTTGAATTC CCAGAGCAGT TACCACTTGA1500  
TGAATTTTTG CAAAAACAG ATCCTAAGGA CCCTGCAAT TATATTCTTC ATGCAGTCC1560  
GGTTCATAGT GGAGATAATC ATGGTGGACA TTATGTGGTT TATCTAAACC CCAAGGGGGA1620  
TGGCAATGG TGTAATTTG ATGACGACGT GGTGTCAAGG TGTAATAAG AGGAAGCAAT1680  
TGAGCACAAT TATGGGGGTC ACGATGACGA CCTGTCTGTT CGACACTGCA CTAATGCTTA1740  
CATGTTAGTC TACATCAGGG AATCAAAACT GAGTGAAGTT TTACAGGCGG TCACCGACCA1800  
TGATATTCTT CAGCAGTTGG TGGAGCGATT ACAAGAAGAG AAAAGGATCG AGGCTCAGAA1860  
GCGGAAGGAG CGGCAGGAAG CCCATCTCTA TATGCAAGTG CAGATAGTCG CAGAGGACCA1920  
GTTTTGTGGC CACCAAGGGA ATGACATGTA CGATGAAGAA AAAGTGAAAT ACAGTGTGTT1980  
CAAAGTATTG AAGAACTCCT CGCTTGCTGA GTTTGTTTCA AGCCTCTCTC AGACCATGGG2040  
ATTTCCACAA GATCAAAATC GATTGTGGCC CATGCAAGCA AGGAGTAATG GAACAAAACG2100  
ACCAGCAATG TTAGATAATG AAGCCGACGG CAATAAAACA ATGATTGAGC TCAGTGATAA2160  
TGAAAACCCCT TGGACAATAT TCCTGGAAAC AGTTGATCCC GAGCTGGCTG CTAGTGGAGC2220  
GACCTTACCC AAGTTTGATA AAGATCATGA TGTAATGTTA TTTTGAAGA TGTATGATCC2280  
CAAAACGCGG AGCTTGAATT ACTGTGGGCA TATCTACACA CCAATATCCT GTAAAATACG2340  
TGACTTGCTC CCAGTTATGT GTGACAGAGC AGGATTTATT CAAGATACTA GCCTTATCCT2400  
CTATGAGGAA GTTAAACCGA ATTTAACAGA GAGAATTCAG GACTATGACG TGTCTCTTGA2460  
TAAAGCCCTT GATGAATAA TGGATGGTGA CATCATAGTA TTTCAGAAGG ATGACCCTGA2520  
AAATGATAAC AGTGAATTAC CCACCGCAAA GGAGTATTTT CGAGATCTCT ACCACCGCGT2580  
TGATGTCAAT TTCTGTGATA AAACAATCCC TAATGATCCT GGATTTGTGG TTACGTTATC2640  
AAATGAAATG AATTATTTT AGGTTGCAAA GACAGTTGCA CAGAGGCTCA ACACAGATCC2700  
AATGTTGCTG CAGTTTTTCA AGTCTCAAGG TTATAGGGAT GGCCAGGTA ATCCTCTTAG2760  
ACATAATTAT GAAGGTACTT TAAGAGATCT TCTACAGTTC TTCAAGCCTA GACAACCTAA2820  
GAAACTTTAC TATCAGCAGC TTAAGATGAA AATCACAGAC TTTGAGAACA GGCGAAGTTT2880  
TAAATGTATA TGGTTAAACA GCCAATTTAG GGAAGAGGAA ATAACACTAT ATCCAGACAA2940  
GCATGGGTGT GTCCGGGACC TGTTAGAAGA ATGTAAAAAG GCCGTGGAGC TTGGGGAGAA3000  
AGCATCAGGG AACTTAGGC TGCTAGAAAT TGTAAGCTAC AAAATCATTG GTGTTTCATCA3060  
AGAAGATGAA CTATTAGAA GTTTATCTCC TGCAACGAGC CGGACGTTTC GAATAGAGGA3120  
AATCCCTTTG GACCAGGTGG ACATAGACAA AGAGAATGAG ATGCTTGTCA CAGTGGCGCA3180  
TTTCCACAAA GAGGTCTTCG GAACGTTCCG AATCCCGTTT TTGCTGAGGA TACACCAGGG3240  
CGAGCATTTT CGAGAAGTGA TGAAGCGAAT CCAGAGCCTG CTGGACATCC AGGAGAAGGA3300  
GTTTGAGAAG TTTAAATTTG CAATTGTAAT GACGGGCCGA CACCAGTACA TAAATGAAGA3360  
CGAGTATGAA GTAAATTTGA AAGACTTTGA GCCACAGCCC GGTAAATATGT CTCATCCTCG3420  
GCCTTGCGTA GGGCTCGACC ACTTCAACAA AGCCCCAAAG AGGAGTCGCT ACACCTACCT3480  
TGAAAAGGCC ATTTAAATCC ATAAGTGAAT TCCAAGCTGG TGTGTTCAAG GCGAGGACGG3540  
TGTGTGGGTG GCCCTTAAAC AGCCTAGAAC TTTGGTGCAC GTGCCCTCTA GCCGAAGTCT3600  
TCAGCAAGAG GATTCGCTGC TGGTGTAAAT TTTATTTTAT TGAGGCTGTT CAGTTTGGCT3660  
TCTCTGTATC TATTGACTGC CCTTTTGGAG CAAAATGAAG ATGTTTTTAT AAAGCTTGA3720  
TGCCAATGAG AGTTATTTTA TGGTAACCAC AGTGCAAGGC AACTGTCAGC GCAATGGGG3780  
AGAAGAGGTT AGTGGATCGG GGGTCCCTGG CTCAAGGTCT CTGGGCTGTC CCTAGTGGGC3840  
ACGAGTGGCT CGGCTGCCTT CCTGGGGTCC CGTGCACCAG CCCTGCAGCT AGCAAGTCTT3900  
GTGTTTAGGC TCGTCTGACC TATTTCTTTC AGTTATACTT TCAATGACCT TTTGTGCATC3960  
TGTTAAGGCA AAACAGAGAA ACTCACAAAC TAATAAATAG CGCTCTTCCC TTCAAAAAAA4020

AA  
Name: 279

Len: 3403 Check: 7C5

4022

178

CAGGTCTGAG GCGAAGCTAG GTGAGCCGTG GGAAGAAAAG AGGGAGCAGC TAGGGCCGCG 60  
 GTCTCCCTCC TCCCGAGGTT TGGAAACGGCT GAAGTTCACC TTCCAGCCCC TAGCGCCGTT 120  
 CGCGCCGCTA GGCCTGGCTT CTGAGGCGGT TGCGGTGCTC GGTGCGCGCC TAAGCGGGGC 180  
 AGGGTGCGAA CAGGGGCTTC GGGCCACGCT TCTCTTGGCG ACAGGATTTT GCTGTGAAGT 240  
 CCGTCCGGGA AACGGAGGAA AAAAAGAGTT GCGGGAGGCT GTCTGCTAAT AACGGTTCTT 300  
 GATACATATT TGCCAGACTT CAAGATTTCA GAAAAGGGGT GAAAGAGAAG ATTGCAACTT 360  
 TGAGTCAGAC CTGTAGGCCT GATAGACTGA TTAACCACA GAAGGTGACC TGCTGAGAAA 420  
 AGTGGTACAA ATACTGGGAA AAACCTGCTC TTCTGCGTTA AGTGGGAGAC AATGTACAAA 480  
 GTTAAAGCT CTTATTCTTA TGATGCCCC TCGGATTTCA TCAATTTTTC ATCCTTGGAT 540  
 GATGAAGGAG ATACTCAAAA CATAGATTCA TGTTTGGAGG AGAAGGCCAA TTTGGAGAAT 600  
 AAGTTACTGG GGAAGAATGG AACTGGAGGG CTTTTTCAGG GCAAACTCC TTTGAGAAAG 660  
 GCTAATCTTC AGCAAGCTAT TGTACACCT TTGAAACCAG TTGACAACAC TTTACTACAA 720  
 GAGGCAGAAA AAGAAAATCT TGTGGAACAA TCCATTCCGT CAAATGOTTG TTCTTCCCTG 780  
 GAAGTTGAGG CAGCCATATC AAGAAAACT CCAGCCAGC CTCAGAGAAG ATCTCTTAGG 840  
 CTTTCTGCTC AGAAGGATTT GGAACAGAAA GAAAAGCATC ATGTAAAAAT GAAAGCCAAG 900  
 AGATGTGCCA CTCCTGTAAT CATCGATGAA ATTCTACCTT CTAAGAAAAT GAAAGTTTCT 960  
 AACAACAAAA AGAAGCCAGA GGAAGAAGGC AGTGTCTATC AAGATACTGC TGAAAACAAT1020  
 GCATCTTCCC CAGAGAAAGC CAAGGGTAGA CATACTGTGC CTTGTATGCC ACCTGCAAG1080  
 CAGAAGTTTC TAAAAAGTAC TGAGGAGCAA GAGCTGGAGA AGAGTATGAA AATGCAGCAA1140  
 GAGGTGGTGG AGATGCGGAA AAAGAATGAA GAATTCAAGA AACTTGCTCT GGCTGGAATA1200  
 GGGCPACCTG TGAAGAAATC AGTGAGCCAG GTCACCAAAT CAGTTGACTT CCACTTCCGC1260  
 ACAGATGAGC GAATCAACA ACATCCTAAG AACCAGGAGG AATATAAGGA AGTGAACCTT1320  
 ACATCTGAAC TACGAAAGCA TCCTTCATCT CCTGCCCGAG TGAATAAGG ATGTACCATT1380  
 GTTAAGCCTT TCAACCTGTC CCAAGGAAAG AAAAGAACAT TTGATGAAAC AGTTTCTACA1440  
 TATGTGCCCC TTGCACAGCA AGTTGAAGAC TTCCATAAAC GAACCCCTAA CAGATATCAT1500  
 TTGAGGAGCA AGAAGGATGA TATTAACCTG TTACCTTCCA AATCTTCTGT GACCAAGATT1560  
 TGCAGAGACC CACAGACTCC TGTACTGCAA ACCAAACACC GTGCACGGGC TGTGACCTGC1620  
 AAAAGTACAG CAGAGCTTGA GGCTGAGGAG CTCGAGAAAT TGCAACAATA CAAATTCAAA1680  
 GCACGTGAAC TTGATCCCAG AATACTTGAA GGTGGGCCCC TCTTGCCCAA GAAACCACCT1740  
 GTGAAACCAC CCACCGAGCC TATTGGCTTT GATTTGGAAA TTGAGAAAAG AATCCAGGAG1800  
 CGAGAATCAA AGAAGAAAAC AGAGGATGAA CACTTGAAT TTCATTCCAG ACCTTGCCCT1860  
 ACTAAGATTT TGGAAGATGT TGTGGGTGTT CCTGAAAAGA AGGTACTTCC AATCACCGTC1920  
 CCCAAGTCAC CAGCCTTTGC ATTGAAGAAC AGAATTCGAA TGCCCACCAA AGAAGATGAG1980  
 GAAGAGGACG AACCAGTAGT GATAAAAGCT CAACTGTGTC CACATTATGG GGTGCCTTT2040  
 AAGCCCCAAA TCCCAGAGGC AAGAACTGTG GAAATATGCC CTTTCTCGTT TGATTCTCGA2100  
 GACAAAGAAC GTCAGTTACA GAAGGAGAAG AAAATAAAG AACTGCAGAA AGGGGAGGTG2160  
 CCCAAGTTCA AGGCACCTCC CTTGCCTCAT TTTGACACCA TTAACCTGCC AGAGAAGAAG2220  
 GTAAAGAATG TGACCCAGAT TGAACCTTTC TGCTTGGAGA CTGACAGAAG AGGTGCTCTG2280  
 AAGGCACAGA CTTGGAAGCA CCAGCTGGAA GAAGAACTGA GACAGCAGAA AGAAGCAGCT2340  
 TGTTCACAGG CTCGTCCAAA CACCGTCATC TCTCAGGAGC CCTTTGTTCC CAAGAAAGAG2400  
 AAGAAATCAG TTGCTGAGGG CCTTCTGGT TCTCTAGTTC AGGAACCTTT TCAGCTGGCT2460  
 ACTGAGAAGA GAGCCAAAGA GCGGCAGGAG CTGGAGAAGA GAATGGCTGA GGTAGAAGCC2520  
 CAGAAAGCCC AGCAGTTGGA GGAGGCCAGA CTACAGGAGG AAGAGCAGAA AAAAGAGGAG2580  
 CTGGCCAGGC TACGGAGAGA ACTGGTGCAT AAGGCAAAATC CAATACGCAA GTACCAGGGT2640  
 CTGGAGATAA AGTCAAGTGA CCAGCCTCTG ACTGTGCCTG TATCTCCCAA ATTCTCCACT2700  
 CGATTCCACT GCTAAACTCA GCTGTGAGCT GCGGATACCG CCGGCAATG GGACCTGCTC2760  
 TTAACCTCAA ACCTAGGACC GTCTTGCTTT GTCATTGGGC ATGGAGAGAA CCCATTTCTC2820  
 CAGACTTTTA CCTACCCGTG CCTGAGAAAG CATACTTGAC AACTGTGGAC TCCAGTTTTG2880  
 TTGAGAATTG TTTTCTTACA TTACTAAGGC TAATAATGAG ATGTAACTCA TGAATGTCTC2940  
 GATTAGACTC CATGTAGTTA CTTCTTTTAA ACCATCAGCC GGCCTTTTAT ATGGGTCTTC3000  
 ACTCTGACTA GAATTTAGTC TCTGTGTCAG CACAGTGTA TCTCTATTGC TATTGCCCT3060  
 TACGACTCTC ACCCTCTCCC CACTTTTTTT AAAAATTTTA ACCAGAAAAT AAAGATAGTT3120  
 AAATCCTAAG ATAGAGATTA AGTCATGGTT TAAATGAGGA ACAATCAGTA AATCAGATT3180  
 TGTCTCTTTC TCTGCATACC GTGAATTTAT AGTTAAGGAT CCCTTGCTG TGAGGGTAGA3240  
 APACCTCACC AACTGCACCA GTGAGGAAGA AGACTGCGTG GATTCATGGG GAGCCTCACA3300  
 GCAGCCACGC AGCAGGCTCT GGGTGGGGCT GCGTTAAGG CACAGTTCTT TCCTTACTGG3360  
 TGCTGATAAC AACAGGGAAC CGTGCAGTGT GCATTTTAAG ACC 3403

Name: 28 Len: 426 Check: 122C  
 TTCGATTGTG GCCCATGCAA GCAAGGAGTA ATGGAACAAA ACGACCAGCA ATGTTAGATA 60  
 ATGAAGCCGA CGNAATAAAA CAATGATTGA GCTCAGTGAT AATGAAACC CTTGGACAAT120  
 ATTCTTGGA ACAGTTGATC CCGAGCTGGC TGCTAGTGGA GCGACCTTAC CCAAGTTTGA180  
 TAAAGATCAT GATGTAATGT TATTTTGAAG GATGTATGAT CCCAAACGC GGAATTTGA240  
 TTAAGTGGG CATATCTACA CACCAATATC CTGTAAAATA CGTGAATTGC TCCAGTTAT300

179

GTGTGACAGA GCAGGATTTA TTCAAGATAC TAGCCTTTAT CCTCTATGGA GGAAGTTAAA360  
CCGAATTTAA CAGAGAGAAT TCCAGGACTA TGACGTGTCT CCTTGATAAA GCCCCTTGAT420  
GAACTA 426

Name: 280 Len: 6428 Check: 1EC4

GCTAGTGGAA	GTTACTGCCG	CGCCACCGAG	TCCGGACCGG	AGACTTTGGG	GCCTAACTAG	60
TGAATGGTAG	TGTCTAGAAA	GGGTATGTCC	CTTCAAGAGA	GAGGTGCCAA	TGTCCAACCG	120
GCCTAATAAC	AATCCAGGGG	GGTCACTGCG	ACGTTACAG	AGGAACACTG	CCGGGGCCCA	180
ACCACAAGAC	GACTCAATAG	GAGGAAGAAG	CTGCAGTTCA	TCATCTGCTG	TGATAGTTCC	240
ACAACCAGAG	GATCCAGACA	GAGCCAATAC	TTCAGAAAGA	CAAAAAACGG	GGCAGGTGCC	300
TAAGAAAGAC	AATTCTCGAG	GAGTGAAGCG	CAGTGTAGT	CCAGACTACA	ACAGGACCAA	360
TTCTCCTAGC	TCTGCAAAAA	AACCAAAAGC	ACTTCAGCAT	ACTGAATCTC	CCTCAGAAAC	420
AAATAAGCCA	CATAGTAAGT	CAAAGAAGAG	ACATTTAGAC	CAGGAGCAAC	AACTGAAATC	480
TGCACAATCA	CCATCAACAA	GCAAGGCTCA	TACCAGGAAG	AGTGGGGCCA	CTGGCGGTTT	540
ACGGAGTCAAG	AAAAGAAAAA	GGACAGAGAG	TTCTTGTGTA	AAGAGTGGCT	CCGGGTCTGA	600
ATCAACTGGT	GCAGAAGAGA	GATCTGCGAA	ACCTACCAAG	CTGGCTTCAA	AATCAGCCAC	660
CTCAGCCAAA	GCTGGGTGTA	GCACCATCAC	TGATTCTTCT	TCTGCTGCCT	CTACTTCCTC	720
CTCGTCTTCT	GCTGTAGCCT	CGGCCTCCTC	CACTGTACCA	CCAGGTGCCA	GAGTGAACA	780
AGGAAAAGAT	CAGAACAAGG	CCAGGCGTTC	CCGTTACGCG	TCCAGTCCCA	GCCCCAGAAG	840
AAGTAGCAGG	GAAAAGGAAC	AGAGTAAAC	TGGTGGCTOT	TCAAAATTTG	ATTGGGCTGC	900
TGTTTTAGC	CCTAAAGTTA	GCCTTCCTAA	AACAAAACCTG	TCTCTTCCAG	GGTCTTCTAA	960
GTCAGAGACA	TCAAAACCTG	GACCTTCTGG	ATTACAGGCC	AAATTAGCAA	GTTTAAAGAAA	1020
ATCTACGAAG	AAACGCACTG	AGTCTCCACC	TGCTGAGCTC	CCCAGTTTGA	GGCGGAGCAC	1080
ACGCCAAAAAG	ACCACGGGCT	CCTGTGCTAG	TACCAGTCCG	CGAGGCTCTG	GCCTGGGCAA	1140
AAGAGGAGCA	GCTGAAGCTC	GTCGACAGGA	GAAAATGGCA	GACCCTGAAA	GCAACCAGGA	1200
GGCAGTAAAT	TCTTCAGCTG	CTCGGACAGA	TGAAGCTCCC	CAAGGAGCTG	CAGGGGCTGT	1260
TGGCATGACC	ACCTCTGGGG	AGAGTGAATC	AGATGATTCC	GAGATGGGAC	GTTTGCAAGC	1320
TTTGTTAGAG	GCAAGGGGTC	TTCCCCCTCA	CCTATTTGGT	CCTCTTGGTC	CTCGGATGTC	1380
ACAGCTTTTC	CATAGAACAA	TTGGAAGTGG	AGCTAGTTCT	AAGGCCCAGC	AGCTACTACA	1440
AGGATTGCAA	GCCAGTGATG	AAAGTCAACA	GCTTCAGGCA	GTTATTGAGA	TGTGTCAAGT	1500
ACTGGTCAAT	GGAATGAGG	AGACACTGGG	AGGGTTTCCT	GTCAAGAGTG	TGTTCCAGC	1560
TTTGATTACG	TACTTTCAGA	TGGAGCACAA	TTTTGATATT	ATGAACCATG	CTGTGCGAGC	1620
CTTAACATAC	ATGATGGAAG	CACCTCCTCG	ATCTTCTGCT	GTTGTAGTAG	ATGCTATTCC	1680
TGTCTTTTTA	GAAAAGCTGC	AAGTTATTCA	GTGTATTGAT	GTGGCAGAGC	AGGCCTTGAC	1740
TGCCTTGGAG	ATGTTGTAC	GGAGACATAG	TAAAGCCATT	CTACAGGCGG	GTGGTTTGGC	1800
AGACTGCTTG	CTGTACCTAG	AATTCTTCAG	CATAAATGCC	CAAAGAAATG	CATTAGCAAT	1860
TGCAGCTAAT	TGCTGCCAGA	GTATCAGGCC	AGATGAATTT	CATTTTGTGG	CAGATTCACT	1920
CCCATTGCTA	ACCCAAAGGC	TAACACATCA	GGATAAAAAG	TCAGTAGAAA	GCACTTGCCT	1980
TTGTTTTGCA	CGCCTAGTGG	ACAACCTCCA	GCATGAGGAG	AATTTACTCC	AGCAGGTTGC	2040
TTCCAAAGAT	CTGCTTACAA	ATGTTCAACA	GCTGTTGGTA	GTGACTCCAC	CCATTTTAAAG	2100
TTCTGGGATG	TTTATAATGG	TGGTTCCGAT	GTTTTCTCTG	ATGTGTTCCA	ACTGTCCAAC	2160
TTTAGCTGTT	CAACTTATGA	AACAAAACAT	TGCAGAAACG	CTTCACTTTC	TCCTGTGTGG	2220
TGCCTCCAAT	GGAAGTTGTC	AGGAACAGAT	TGATCTTGTT	CCACGAAGCC	CTCAAGAGTT	2280
GTATGAACTG	ACATCTCTGA	TTTGTGAAT	TATGCCATGT	TTACCAAAAAG	AAGGCATTTT	2340
TGCAGTTGAT	ACCATGTTGA	AGAAGGGAAA	TGCACAGAAC	ACAGATGGTG	CGATATGGCA	2400
GTGGCGTGAT	GATCGGGGCC	TCTGGCATCC	ATATAACAGG	ATTGACAGCC	GGATCATTGA	2460
GCAAATCAAT	GAGGACACGG	GAACAGCACG	TGCCATTTCAG	AGAAAACCTA	ACCCGTTAGC	2520
CAATAGTAAC	ACTAGTGGAT	ATTGAGAGTC	AAAGAAGGAT	GATGCTCGAG	CACAGCTTAT	2580
GAAAGAGGAT	CCGGAACCTG	CTAAGTCTTT	TATTAAGACA	TTATTTGGTG	TTCTTTATGA	2640
AGTGTATAGT	TCCTCAGCAG	GACCTGCGGT	CAGACATAAG	TGCCTTAGAG	CAATCTTAGG	2700
GATAATTTAT	TTTGCGGATG	CTGAACCTCT	GAAGGATGTT	CTGAAAAATC	ATGCTGTTTC	2760
AAGTCACATT	GCTTCCATGC	TGTCAAGCCA	AGACCTGAAG	ATAGTAGTGG	GAGCACTTCA	2820
GATGGCAGAA	ATTTTAAATG	AGAAGTTACC	TGATATTTT	AGTGTTTACT	TCAGAAGAGA	2880
AGGTGTAATG	CATCAAGTAA	AACACTTAGC	AGAATCAGAG	TCTTTGTTGA	CAAGTCCACC	2940
AAAGGCATGT	ACGAATGGAT	CGGGATCCAT	GGGATCCACA	ACTTCAGTCA	GCAAGTGGGAC	3000
AGCCACAGCT	GCCACTCATG	CTGCAGCTGA	CTTGGGATCA	CCCAGCTTGC	AGCACAGCAG	3060
GGATGATTCT	TTAGATCTCA	GCCCTCAAGG	TGCATTAAAT	GATGTTCTAA	AGAGAAAACG	3120
ACTGCCAAAA	CGAGGGCCAA	GAAGGCCAAA	GTACTCACCT	CCAAGAGATG	ATGACAAAAG	3180
AGACAATCAA	GCTAAAAGCC	CCACCACTAC	TCAGTCACCT	AAATCTTCTT	TCCTGGCAAG	3240
CTTGAAATCCA	AAAACATGGG	GAAGGTTAAG	TACACAGTCC	AACAGCAACA	ACATTGAGCC	3300
AGCACGGACT	GCGGGAGGTA	GTGGCCTTGC	CAGGGCTGCC	TCAAAGGATA	CCATCTCCAA	3360
TAATAGAGAA	AAAATTAAAG	GTTGGATTAA	GGAGCAGGCA	CATAAATTTG	TAGAACGTTA	3420
TTTCAGTTCT	GAGAATATGG	ATGGAAGCAA	CCCTGCATTG	AATGTCCTTC	AGAGACTTTG	3480
TGCTGCAACC	GAACPACTCA	ACCTCCAGGT	GGATGGTGGG	GCTGAGTGCC	TTGTAGAAAT	3540

180

CCGTAGCATA GTCTCAGAGT CAGATGTTTC ATCATTGAA ATCCAACATA GTGGATTTGT3600  
 GAAGCAGCTG TTGCTTTATT TGACATCTAA AAGTGAAGG GATGCTGTGA GCAGAGAGAT3660  
 CAGATTAAAG CGATTTCCTT ATGTATTTTT TTCTTCTCCA CTTCCTGGAG AAGAGCCCAT3720  
 TGGAAAGAGTG GAACCAAGTG GTAATGCACC TTTGTTGGCA TTAGTTCACA AGATGAACAA3780  
 CTGCCTCAGC CAGATGGAAC AATTTCCAGT CAAAGTACAT GATTTCCCTA GTGGAAATGG3840  
 GACAGGAGGC AGCTTTTTCTC TCAACAGAGG ATCACAGGCT TTAATAATTT TCAACACACA3900  
 TCAATTAAAA TGCCAGTTAC AAAGGCATCC AGACTGTGCA AATGTGAAGC AGTGGAAAGG3960  
 TGGACCTGTC AAGATTGACC CTCTGGCTTT GGTACAAGCC ATCGAGAGAT ACCTTGTAGT4020  
 TAGAGGGTAT GGAAGAGTAA GAGAAGATGA TGAAGACAGC GATGACGATG GATCAGATGA4080  
 GGAAATAGAT GAGTCTCTGG CTGCTCAGTT CCTAAATTCA GGAAATGTAA GACACAGGCT4140  
 GCAGTTTTAT ATTGGAGAAC ATTTGCTGCC GTATAACATG ACTGTGTATC AGGCAGTACG4200  
 GCAGTTTAGT ATACAGGCTG AAGATGAAAG AGAATCCACA GATGATGAGA GCAATCCTCT4260  
 AGGCAGAGCT GGTATTTGGA CAAAGACTCA TACAATATGG TATAAACCTG TGAGAGAGGA4320  
 TGAAGAAAGT AATAAAGATT GTGTTGGTGG TAAAGAGGGA AGAGCCCAA CAGCTCCAAC4380  
 GAAAACCTCC CCTAGAAATG CAAAAAGCA TGATGAGTTA TGGCACGATG GAGTGTGCCC4440  
 ATCAGTATCA AATCCTTTAG AAGTTTACCT CATTTCCACA CCACCTGAAA ATATAACATT4500  
 TGAAGACCCG TCATTAGATG TGATCCTTCT TTTAAGAGTT TTACATGCTA TCAGTCGATA4560  
 CTGGTATTAC TTGTATGATA ATGCAATGTG CAAGGAAATT ATTCCAACTA GTGAATTTAT4620  
 TAACAGTAAG TTAACAGCAA AAGCAATATG GCAACTTCAA GATCCTTTAG TAATCATGAC4680  
 AGGAAACATC CCAACATGGC TTACTGAGCT AGGAAAAACC TGCCCATTTT TCTTTCTTT4740  
 TGATACCCGG CAAATGCTTT TTTATGTAAC TGCAATTTGAT CGGGACCGAG CAATGCAAAG4800  
 ATTACTTGAT ACCAACCCAG AAATCAACCA GTCTGATTCT CAAGATAGCA GAGTTGCACC4860  
 TAGATTGGAT AGAAAAAAC GTACTGTGAA CCGAGAGGAG CTGCTGAAAC AGGCGGAGTC4920  
 TGTGATGCAG GACCTCGGCA GCTCACGGGC CATGTTAGAA ATCCAGTATG AAAATGAGGT4980  
 TGGTACAGGT CTTGGGCCTA CACTGGAGTT TTATGCGCTT GTATCTCAGG AACTACAGAG5040  
 AGCTGACTTG GGTCTTTGGA GAGGTGAAGA AGTAACTCTT AGCAATCCAA AAGGGAGCCA5100  
 AGAAGGGACC AAGTATATC AAAACCTCCA GGGCCTGTTT GCGCTTCCCT TTGGTAGGAC5160  
 AGCAAAGCCA GCTCATATCG CAAAGGTTAA GATGAAGTTT CGCTTCTTAG GAAAATTAAT5220  
 GGCCAAGGCT ATCATGGATT TCAGATTGGT GGACCTTCCC CTTGGCTTAC CTTTTATAA5280  
 ATGGATGCTA CGGCAAGAAA CTTCACTGAC ATCACACGAT TTGTTTGACA TCGACCCAGT5340  
 TGTAGCCAGA TCAGTTTATC ACCTAGAAGA CATTGTGAGA CAGAAGAAA GACTTGAACA5400  
 AGATAAATCC CAGACCAAAG AGAGTCTACA GTATGCATTA GAAACCTTGA CTATGAATGG5460  
 CTGCTCAGTT GAAGATCTAG GACTGGATTT CACTCTGCCA GGGTTTCCCA ATATCGAACT5520  
 GAAGAAAGGA GGGAAAGGATA TACCAGTCAC TATCCACAAT TTAGAGGAGT ATCTAAGACT5580  
 GGTATATTC TGGGCACTAA ATGAAGGCGT TCAGTACTTC TACCCGGAGG AACTGGATCA5700  
 ATTTGAATCA GTCTTCCCAC TCAGTCACTC GGATGCAAAG ACACCTGATGG AATGCTGTAG5760  
 GCTCCTTTGT GGCAGTAAAG CAGACACTTG GGCTGTGAAG TTTTGTGTTG AGATTCTCAG5820  
 GCCTGATCAT GGTATACTC ATGACAGTCG GTTCCAGTTT GTGACTGGTA GCCCAAGATT5880  
 TAGTTTTGAT AATGAGCAGC AGAGGTTATT TCTCCAGTTT ATTGTCCGAA AGACGTTTGA5940  
 GCCTGTTGGA GGATTCCGGA GTTTGAATCC ACCTTTGACA ATTTGTCCGAA ACTATCTTAA6000  
 ATCAACAGAA AACCAGATG ACTTCTTGCC CTCTGTAATG ACTTGTGTGA ACTATCTTAA6060  
 GTTGCCGGAC TATTCAAGCA TTGAGATAAT GCGTGAAAAA CTGTGTAGAT CAGCAAGAGA6060  
 AGGGCAGCAG TCGTTCCATC TTTCCCTGATT ATAGCAAGAA ATGCAGTGTG TGCCTGTTAC6120  
 AGCAAAAGAA ACAAATCATG ATTTCTTTTC TAATGTTATC ACCTGAGTCA AGGAAACATG6180  
 TTACGCCCTT TGTGTTAGG AAAAAAGGCT TGCAGATTAT AAAGAGACAT TTGGTTGATA6240  
 TTCATTAATG GCCCATGGA CTAAAGTGA TCAGGCCCTA AAACGTTGTT GTGATGAGGT6300  
 TTCTTTAGCA AGTTCTTGTT TAAATTATCA TTTATTTGAT GAGTGAAGTT TTTAACATGC6360  
 TTTGCTGTGT GAAATTTAAA AAAGGGATGT TTTTCCAGGC TGAACAATA AATGTGGCTG6420  
 TGCAGTTT

Name: 281

Len: 1266 Check: 1DDC

GCCGGTCCGA GGGCTCCTAG TGCGCCAGGT TGTGGGAAGT GAGGCTGGCG GTGGCGACAA 60  
 CCGAGGAGGA GGGGCGGGAC GGTGGAGCAG GGACCGGCTG AGCGTCATGG AGGGCTCAGG 120  
 GGAGCAGCCG GGCCCAACAAC CACAGCATCC CGGAGACCAC CGCATCCGCG ACGGCGACTT 180  
 CGTGGTGCTG AAACGTGAAG ATGTGTTTTAA AGCAGTACAA GTCCAGCGGA GAAAAAAGT 240  
 AACTTTTCGA AAACAGTGGT TCTACCTGGA TAAGTTCATT GGCCATAGTT ATGGAAGTGC 300  
 ATTTGAAGTG ACCAGTGGAG GAAGTCTACA GCCCAAGAAAG AAGAGGGAAG AGCCTACTGC 360  
 AGAGACTAAA GAAGCGGGCA CTGATAATCG AAATATAGTT GATGATGGGA AATCTCAGAA 420  
 ACTTACTCAA GATGACATAA AAGCTTTGAA GGACAAGGGC ATTAAGGAG AGGAATAGT 480  
 TCAGCAGTTA ATTGAAAAA GTACAACATT CCGAGACAAG ACAGAATTTG CCCAAGATAA 540  
 ATATATTAAA AAGAAGAAAA AAAAAATATGA AGCCATCATT ACTGTTGTGA AGCCATCCAC 600  
 CCGTATTCTT TCAATTATGT ATTATGCAAG AGAACCTGGA AAAATTAACC ACATGAGATA 660  
 CGATACACTA GCCCAGATGT TGACGTTGGG AAATATCCGT GCTGCCAACA AAATGATTGT 720  
 GATGGAACG TGTGCAGGCT TGGTGCTGGG TGCAATGATG GAACGAATGG GAGGTTTTGG 780

-181

CTCCATTATT CAGCTATACC CTGGAGGAGG ACCTGTTCCG GCAGCAACAG CATGTTTTGG 840  
 ATTTCCCAAA TCTTTTCTCA GTGGTCTTTA TGAATTCCT CTCAACAAAG TGGACAGTCT 900  
 ICTACATGGA ACATTTTCTG CCAAGATGTT ATCTTCAGAG CCAAAAGACA GTGCTTTGGT 960  
 TGAAGAAAGT AATGGCACAC TGGAGGAAAA ACAGGCTTCT GGGCAAGAGA ATGAAGACAG1020  
 CATGGCAGAG GCCCCAGAGA GCAACCACCC AGAAGACCAG GGAAACAATG GAAACAATTT1080  
 CTCAAGATCC AGAACATAAG GGGCCTAAAG AGAGAGGAAG CAAAAAAGAT TATATTTAG1140  
 GGAAAAACAG AGGGAGACAA GGAAGGAGCA GCGGAAAAGA CTTTTGGGGC TGCCGTTTTG1200  
 CTTGAGTTGA AAGGAAACGC CGATGGITTT ATTTGTTAGC TTGTTCTTTT CCACCCCCAT1260  
 TCTCCT 1266

Name: 282

Len: 3962 Check: E05

AGGAATTCGG GTGAGCTGAG CGCGGCGCGC GGCCGGGGCG GGGAGCGGGC GCGCGGGCGG 60  
 CCTCAGCATG GAGGACGGCT TCTCCAGCTA CAGCAGCCTG TACGACACST CCTCGCTGCT 120  
 CCAGTTCTGC AACGATGACA GCGCTTCTGC TGCAAGTAGC ATGGAGGTGA CAGACCGCAT 130  
 TGCTTCACTG GAGCAGAGAG TCCAGATGCA AGAAGACGAC ATCCAGCTGC TCAAATCAGC 240  
 TCTAGCTGAT GTGGTTCGGC GGCTGAACAT TACTGAGGAA CAGCAGGCCG TGCTTAACAG 300  
 GAAAGGACCT ACCAAAGCAA GACCACTGAT GCAGACCTG CCTTTTAGAT CCACGGTCAA 360  
 CAATGGCACT GTGTACCAA AGATACCTAC TGGCTCTCTA CCATCCCCCT CCGGGTTTCA 420  
 GAAAGATACT GCTGTGCCAG CAACCAAAAG TAACATCAAG AGGACCAGCT CTTCTGAACG 480  
 AGTGTCTCCT GGGGGTTCGAA GGGAAAGCAA TGGGGATTCC AGAGGAAACC GGAATCGCAC 540  
 AGGCTCCACC AGCAGCTCTT CCAGTGGCAA AAAAGAACAG TGAAGCAAAA CCCAAGGAGC 600  
 CTGTATTGAG TGCAGAAGAA GGCTATGTAA AATTGTTTCT TCGTGGACGC CTTGTTACCA 660  
 TGTACATGCC CAAAGATCAA GTGGATTCTT ACAGCTTGGG AGCAAAAGTA GAACCTCCAA 720  
 CCAAGAGACT CAAGCTGGAA TGGGTCTATG GGTACAGGGG TCGAGACTGC CGTAACAACC 780  
 TGTACTTGCT TCCGACGGGA GAGACCGTCT ACTTCATCGC ATCCGTGGTG GTGTTATACA 840  
 ACGTGGAGGA GCAACTGCAC AGGCATTACG CTGGCCACAA CGATGACGTG AAGTGCCTAG 900  
 CAGTTCATCC TGATCGGATC ACGATAGCAA CAGGACAACT TCGGGGCACA TCGAAGGATG 960  
 GAAAACAATT GCGCCACAT GTGCGCATCT GGGATTCTGT GACATTGAAT ACTCTCCACG1020  
 TCATTGGAAT AGGTTTTTTT GACCGAGCAG TCACCTGTAT TGCATTCTCA AAATCTAATG1080  
 GAGGAACCAA TCTCTGTGCT GTGGATGACT CCAACGACCA TGTGCTCTCT GTATGGGACT1140  
 GGCAGAAAGA AGAAAACTA GCAGATGTGA AGTGCTCTAA TGAAGCTGTG TTTGCTGCGG1200  
 ATTTCCACCC CACGGACACC AACATCATAG TTAATTGTGG AGAATCACA TCTCTACTTT1260  
 TGGACACTAG AAGGAAGCTC CCATTAATAA GRAGCAAGGA TTATTCGAGA ACAAGAAAG1320  
 CCAAAGTTGT CCTCTGTGTG ACTTTCTCTG AAAACGGTGA CACCATTACT GGAGATTCAA1380  
 GTGGCAACAT CTTAGTATGG GGAAGAGGTA CAAATCGAAT AAGCTATGCA GTTCAGGGGG1440  
 CCCATGAGGG TGGCATTTCT CCACTTTGTA TGTAAAGAGA TGGCACACTG GTGTGCGGAG1500  
 GTGGGAAAGA CCGAAAGCTC ATTTCTTGGA GCGGAACTA TCAAAAACCT CGTAAACCGG1560  
 AGATTCCAGA ACAGTTTGGT CCAATACGGA CAGTGGCCGA GGGGAAAGGC GATGTGATCT1620  
 TGATTGGCAC AACTCGAAAC TTTGTCTGTC AGGGCACTCT GTCAGGGGAC TTCACACCCA1680  
 TTACTCAGGG TCACACTGAT GAGCTCTGGG GACTGGCCAT CCATGCCTCA AAACCTCAGT1740  
 TCTTGACCTG TGGGCATGAC AAGCATGCCA CTCTCTGGGA CGCTGTGGGT CACCGTCCCG1800  
 TCTGGGACAA AATAATAGAG GATCCAGCTC AGCTTTCTGG TTTTCATCCT TCAGGGTCTG1860  
 TGGTTGCACT CGGAACACTC ACTGGGAGGT GGTGTTGTGT TGACACAGAA ACAPAAAGACT1920  
 TGGTCACCGT TCACACAGAT GGAACGAAAC AGCTCTCTGT AATGCGATAC TCACCAGATG1980  
 GGAATTTCTT AGCCATAGGC TCACATGACA ACTGCATCTA TATATATGGC GTTAGTGACA2040  
 ACGGGAGGAA GTACACGCGA GTGGGCAAGT GTCGGGTCA TTCCAGCTTC ATTACTCACC2100  
 TGGACTGGTC TGTAAGTCA CAGTTCCTCG TGTCAAATTC CGGAGACTAC GAAATCCTCT2160  
 ACTGGGTTCC CTCTGCTGT AAGCAAGTCG TAAGTGTGGA AACTACAAGA GACATTGAAT2220  
 GGGCTACCTA TACCTGCACT TTGGGATTCC ATGTTTTTGG AGTGTGGCCA GAAGGCTCGG2280  
 ACGGAACCGA CATCAATGCC GTCTGTGCGG CCCATGAGAA GAAACTCCTG TCAACAGGCG2340  
 ACGACTTTGG CAAAGTGCAC CTCTTCTCAT ACCCTGCTC GCAGTTCAGG GCTCCAAGCC2400  
 ACATCTACCG CGGGCACAGC AGCCATGTCA CCAATGTGGA TTTCTCTGT GAAGACAGCC2460  
 ACCTCATCTC CACGGGCGGG AAAGACACAA GCATCATGCA GTGGCGCGTC ATTTAGTACC2520  
 CACCGAGAGC TGTGGGGAGC AGCATGGGCA AGGAAGACAC AGACTCGCAT TACCTTGGT2580  
 CACTGTGATT TCTGTTTTGT TTAATAAATT CTTACAAACC TCAGGAAAAAC TGTGCCCTCC2640  
 GCGGGCTACC TTAGCTTAGC GTGTCAGCGG GCGCCACAGC GGAATCAGCG GTTCCGTGTT2700  
 CACTTTTGTT GTACAATATA TGACACAGT CACATTGAAT ACCAACAAGG TTGCAACGTT2760  
 TACATTATAG CCACATCAAC AGAAGTAACT GGGTATATTC TTAGTAACTT TTCTATGGAA2820  
 CTCTTCAAAA ATGGGTCACA GGATGGCCTT TTAACACATT GTATATTATC TTCAGTGT2880  
 TCACCTTTTA GGTGCTAAG TTCAATATTT GTGATGATAA TGAGGTACTG AACCACGATG2940  
 GCTGTTGAGG AATTGGTCCT AAAAGGACAG ATCACTTCAG AAGAGTGAAT AACTGATTG3000  
 CACAGCTGAA TCAGGAGACA CAAAGATGAG ACTGTGTTTG GTTACATTTT CCAAAGTTT3060  
 ATTGCACTCT CCCTTGGGGA GGCTGTGAGA GAGGGCTTGT ATCCCTCTTG TGCTAAGCAG3120  
 ACTCTACTCC TAACTGACTT CAATATTTCA GCAGGGTACA CAGGCGTTTC CAAGTTTCAG3180

182

TGACACCGTC CTGCCTAACC AGATGCGGTC AGCCTCTTCA CACCCACCTG GCTTGCATCC3240  
 CCCATCCCTT GTTCACACGC CCTGATTCAC GGTGAGACAT TTTGCCACCT TCTTGTGTAT3300  
 ATTACTTGGC ATGAGATGAT ATTGTACTTG TATAGGATTC TAGCAATTCA TAATAAATAT3360  
 GTAAGACTAG GCTTTACTGT CTTATGCTTA TGGACATTGT ATATTGTAT TTTATGACCA3420  
 AGTAGACCAA GTCAGAAAGA TCTCTCTCGA GCGCACCAT AACTGTCAGA GAGAAGTCTC3480  
 GAAAGGCTCC ACCAAGGTAC CAAGGGCAGC TGCTTTTCCT GTCTTTTGTG CATGGGCGAC3540  
 CCATTACAGT ATGAGATAAG ATTGAGTTCT GATGCGTTAA ACGGAGGTGG CAGAAATTTG3600  
 TCAAGAAGGC CTTATCCATT TCGATTGTGT GACAGATTGA AATTATTGT TTACATTGGG3660  
 GAATGTATCT CAAATTTTAA AATAGAAGAG TAATAAACAG ACTTTAAAGC AAATATTAAG3720  
 ATTTTACTC ATTCAGGCA AGTAAATGAA TGAATATATC TGAGCTCTAT GGCAGTGGT3780  
 GTTTAGAGTG ACTGATGAAG TGCACCTTTC AAAACATTT TTGATGCCAT CACGAGCCTA3840  
 CTGCAGAAGT GCAGGGCACA GTAAACACCA TGTATTATTG AAGATGATCT GTTTGTATG3900  
 TATCCTTGTC AAATATATTC TATAATGAA TAAAAATCC TGGAAAGTGG GGGTTTCCTT3960  
 AA 3962

Name: 283 Len: 1687 Check: 82D  
 ATGGATGGAT TTTATGACCA GCAAGTGCCT TACATGGTCA CCAATAGTCA GCGTGGGAGA 60  
 AATTGTAACG AGAAACCAAC AAATGTCAGG AAAAGAAAAT TCATTAACAG AGATCTGGCT 120  
 CATGATTCAG AAGAACTCTT TCAAGATCTA AGTCAATTAC AGGAAACATG GCTTGCAGAA 180  
 GCTCAGGTAC CTGACAATGA TGAGCAGTTT GTACCAGACT ATCAGGCTGA AAGTTTGGCT 240  
 TTTTCATGGCC TGCCACTGAA AATCAAGAAA GAACCCACCA GTCCATGTTT AGAAATCAGC 300  
 TCTGCCTGCA GTCPAGAACA GCCCTTTAAA TTCAGCTATG GAGAAAAGTC CCTGTACAAT 360  
 GTCAGTGCCT ATGATCAGAA CCCACAAGTG GGAATGAGGC COTCCAAOCC CCCCACACCA 420  
 TCCAGCACGC CAGTGTCCCC ACTGCATCAT GCATCTCCAA ACTCAACTCA TACACCGAAA 480  
 CCTGACCGGG CCTTCCOAGC TCACCTCCCT CCATCGCAGT CCATACCAGA TAGCAGCTAC 540  
 CCCATGGACC ACAGATTTTC CCGCCAGCTT TCTGAACCTT GTAACCTCTT TCCTCCTTTG 600  
 CCGACGATGC CAAGGGAAGG ACCTCCTATG TACCAACGCC AGATGTCTGA GCCAAACATC 660  
 CCCTTCCAC CACAAGGCTT TAAGCAGGAG TACCACGACC CAGTGTATGA ACACAACACC 720  
 ATGGTTGGCA GTGCGGCCAG CCAAAGCTTT CCCCCTCCTC TGATGATTAA ACAGGAACCC 780  
 AGAGATTTTG CATATGACTC AGAAGTGCCT AGCTGCCACT CCATTTATAT GAGGCAAGAA 840  
 GGCTTCCTGG CTCATCCCAG CAGAACAGAA GGCTGTATGT TTGAAAAGGG CCCCAGGCAG 900  
 TTTTATGATG ACACCTGTGT TGTCCCAGAA AAATTCGATG GAGACATCAA ACAAGAGCCA 960  
 GGAATGTATC GGAAGGACC CACATACCAA CGGCGAGGAT CACTTCAGCT CTGGCAGTTT1020  
 TTGGTAGCTC TTCTGGATGA CCCTTCAAA TCTCATTTTA TTGCCTGGAC TGGTCGAGGC1080  
 ATGGAATTTA AACTGATTGA GCCTGAAGAG GTGGCCCGAC GTTGGGGCAT TCAGAAAAAC1140  
 AGGCCAGCTA TGAACATGA TAACTTAGC CGTTCACTCC GCTATTACTA TGAGAAAGGA1200  
 ATTATGCAA AGGTGGCTGG AGAGAGATAT GTCTACAAGT TTGTGTGTGA TCCAGAAGCC1260  
 CTTTCTCCA TGGCCTTTCC AGATAATCAG CGTCCACTGC TGAAGACAGA CATGGAACGT1320  
 CACATCAACG AGGAGGACAC AGTGCCTCTT TCTCACTTTG ATGAGAGCAT GGCCTACATG1380  
 CCGGAAGGGG GCTGCTGCAA CCCCCACCC TACAACGAAG GCTACGTGTA TTAACACAAG1440  
 TGACAGTCAA GCAGGGCGTT TTTTGCGCTT TTCCTTTTTT CTGCAAGATA CAGAGAATTG1500  
 CTGAATCTTT GTTTTATTTT TGTGTTGAT ATTTATTTT AAATAATAAT ACACAAAAAG1560  
 GGGCTTTTCC TGTGTCATTA TTCTATGGT TGCATGGAC ATTTGAGGGT1620  
 GGGTGGGAGT AATCTAACA TTTATCTGT GTAACAGGAA GCTAATGGGT GAATGGGCAG1680  
 AGGGATT 1687

Name: 284 Len: 3787 Check: 1213  
 GCGGCCGCTC GCGGCCCGGG GGTCCCTTCG GTGGGGCCGC GGCTCCCCGC CCGCCGCCCC 60  
 CGCGCGTCCA TTCGCTTTGT GTCCCGCGCG CGGCCGGGCC CCCC CGGCAC TCTCAGCCCT 120  
 GCGCCCCGCG GCGGCCCGGG CGGCTCCCGG CGCGGCCCCA GCAGCCCGCG CCGGCATTGT 180  
 GTGGACGCGC CCGGCCGCGA GCGCGCGCGG GGGCCCTGCC GAGCGCCCC GCGCCCGTCC 240  
 GCTCCSGCCG CCGCGCCCCG GCCCGCCGCC CCGCGCGCCC TCGCCGCGCG GCGCCCGGCC 300  
 CGGCCCGGCC CGACCCGGGC AGCGCAGCGG CGGGGCGAGC GCGCGCGCGG CAACATGGCG 360  
 ACGGTGCCCG TGTACTGCGT CTGCCGGCTG CCCTACGACG TTACCCGCTT TATGATCGAG 420  
 TGCGATGCC TGAAGGACTG GTTCCACGGC AGCTGTGTTG GGGTGAAGA GGAAGAGGCA 480  
 CCAGACATCG ACATTTACCA CTGCCCGAAC TGCGAGAAA CCCATGGCAA GTCCACACTC 540  
 AAGAAAAAGC GGACTTGGCA CAAACACGGC CCTGGGCCAA CACCGGACGT GAAACCAAGT 600  
 CAGAAATGGCA GTCAAGCTGT CATCAAGGAG CTGCGGAGCC GAACCTTCCC CAGTGTGAA 660  
 GACGTGGTGT CCCGTGTGCC AGGTAGCCAG CTCACCGTGG GCTACATGGA GGAGCATGGC 720  
 TTCCTGAGC CCATCCTTGT CCCCCAGAAA GATGGCCTGG GCTTAGCTGT CCCTGCCCCA 780  
 ACATTTCTAG TGAGTGACGT CGAGAACTAC GTGGGGCCGG AACGGAGTGT GGATGTGACA 840  
 GATGTCACCA AGCAGAAGGA CTGCAAGATG AAGCTGAAG AGTTTGTGGA CTATTACTAC 900  
 AGCACCAACC GCAAGCGGGT CCTCAACGTC ACCAACCTCG AGTTCTCTGA CACCCGAATG 960  
 TCCAGCTTCG TGGAGCCACC TGACATTGTA AAGAACTGT CATGGGTAGA AAATACTGG1020  
 CCAGATGATG CATTGCTGGC CAAGCCCAA GTGACCAAGT ACTGCCTAAT CTGCGTGAAG1080

-183

GACAGTTACA CCGACTTCCA CATCGACTCT GGGGGCGCCT CTGCCTGGTA CCACGTGCTC1140  
 AAGGGGGAGA AGACCTTCTA TCTCATCAGG CCGGCCCTCG CCAACATCTC CCTGTATGAG1200  
 CGCTGGCGGT CTGCCTCTAA CCACAGCGAG ATGTTCTTTG CTGACCAGGT CGACAAATGC1260  
 TACAAGTGCA TCGTCAAGCA GGGCCAGACC CTCTTCATCC CCTCAGGCTG GATCTACGCC1320  
 AACTCACCC CTGTGGACTG CCTGGCCTTC GCGGGACATT TCTCCACAS CCTGAGTGTG1380  
 GAGATGCAGA TGAGAGCATA CGAGGTGGAA AGGAGGTTGA AACTTGGCAG CCTGACTCAG1440  
 TTTCCCACT TTGAACTGC GTGCTGGTAC ATGGGAAAGC ACCTATTGGA GCGTTTCAAA1500  
 GGTTCCTACA AGTCTGGGAA GCAGCTGCCC CCACATCTAG TCCAAGGAGC TAAAATTCTC1560  
 AATGGTGCTT TCCGATCGTG GACGAAGAAG CAGGCTTTGG CAGAGCATGA GGACGAGCTC1620  
 CCGGAGCACT TCAAACCTTC ACAGCTAATC AAGGACCTGG CCAAAGAGAT CCGGCTCAST1680  
 GAGAATGCCT CCAAAGCCGT CCGACCGGAA GTGAATACTG TCGCCTCGTC AGATGAGGTG1740  
 TGTGACGGGG ACCGGGAGAA GGAGGAGCCC CCGTCTCCCA TTGAGGCCAC CCGCCTCAA1800  
 TCCCTCCTGG AGAAAGTGTC CAAAAAAG ACTCCCAAAA CTGTGAAGAT GCCCCCA1860  
 TCCAAATCC CCAAGCCCCC GAAGCCCCCT AAGCCCCCAA GGCCCCCAA AACGCTGAAG1920  
 CTCAAAGATG GAGGCAAGAA GAAAGGGAAG AAGTCCCCGG AGTCAGCCTC ACCCACCATC1980  
 CCAAACCTGG ACCTGCTCGA AGCCACACC AAGGAGGCAC TGACCAAGAT GGAGCCGCCC2040  
 AAGAAGGGCA AGGCCACAAA GAGTGTCTTG AGTGTGCCCC ACAAAGATGT GGTTCACATG2100  
 CAGAATGATG TGGAGAGGCT GGAAATTCGA GACCAACAA AGAGCAAGTC AGAAGCCAAG2160  
 TGGAAATACA AGAACAGCAA ACCTGACTCG TTACTGAAGA TGGAGGAGGA GCAGAGGCTG2220  
 GAGAAGTCGC CCTTGGCTGG GAACAAGGAC AAGTTTTCTT TTTCTTTCTC CAACAGAAA2280  
 CTCCTGGGCT CCAAGGCCCT CAGGCCCCCG AGCAGCCCTG GTGTGTTCGG CGCCTTGCG2340  
 AGCTTCAAGG AGGACAAGGC CAAGCCCGTG CGCGATGAGT ATGAGTACGT ATCAGATGAT2400  
 GGGGAGCTGA AGATAGACGA GTTTCCCATC AGGAGGAAGA AGAGCGCCCC CAAAAGGGAC2460  
 TTGTCTTCT TGTAGACAA GAAGGAGGCT CTCCTCATGC CCACCTCGAA ECCAAAGCTG2520  
 GATTCTGCGG TGTACAAGAG CGATGACTCC TCTGACGAGG GCTCTCTGCA CATCGACACG2580  
 GACACCAAGC CAGGCAGAAA TGCCAAAGTG AAGAAGGAGA GTGGGAGCTC CGCGGCGGC2640  
 ATCCTGGACC TGCTGCAGG CAGCGAGGAG GTTGGCGCAC TCGAGTACAA CCCCACAGC2700  
 CAGCCCCCTG CCTCCCCCAG CACACAGGAA GCCATTACAG GAATGCTCTC CATGGCCAAT2760  
 CTGCAAGCCT CTGACTCTTG COTGCAGACC ACATGGGGCA CGGGGCGAGG CAAGGGTGGC2820  
 TCACTGGCAG CCGATGGTGC CCGGAAGATT GGTGGTGGCA ACAAAGGCAC AGGCAAGCGC2880  
 CTGCTGAAGA GGAATGCCAA GAACAGTGTG GATCTGGAGG ACTACGAGGA GCAGGATCAC2940  
 CTGGATGCCT GCTTCAAGGA CTCAGACTAT GTTTACCCCT CACTGGAGTC TGACGAAGAT3000  
 AACCCCGTCT TCAAGTCCCG GTCAAAGAAG AGGAAAGGCT CAGACGATGC TCCGTACAGC3060  
 CCCACAGCCA GGGTCCGTCC ATCGGTGCCA AGACAAGACA GGCTGTGCG TGAGGGGACC3120  
 AGAGTGGCCT CCATTGAGAC GGGGCTGGCA GCTGCTGCAG CCAAGCTGTC CCAGCAGGAG3180  
 GAGCAGAAA ACAGGAAGAA GAAGAACACC AAAAGGAAGC CGGCTCCTAA CACTGCCTCC3240  
 CCCTCCATCT CCACCTCTGC CTCGCTCC CCGGTACCA CCTCGGCTC CACCACCCA3300  
 GCATCCACCA CCCCAGGCTC CACCACCCA GCATCCACCA CCCCAGGCTC CACCAGCACA3360  
 GCCAGCAGCC AGGCCTCACA GGAGGGCAGC TCACCTGAGC CCCCACCTGA ATCACACAGC3420  
 AGTAGCCTGG CTGACCAGCA ATATACAGCA GCCGCGACAT TCTCGGGGTC CCAGGCTGGC3480  
 CGTGCCTCCC AGCCCATGGC CCCTGGAGTC TTTCTCACAC AGAGGCGGCC TTCTGCATCA3540  
 TCCCCCAACA AACTGTCTGC CAAAGGAAA CGTACAAAA AGGGCATGGC CACCGCCAAG3600  
 CAAAGGCTTG GAAAGATCTT GAAGATCCAT CGGAATGGGA AACTGCTCCT CTAAGGCTTG3660  
 GAAAGCCAGG ATCCTTCTGA TATGCTAAG ACCCCGAG CCCCCTACA TCAGCCCCCTC3720  
 CCAGGACGGT GGCTGTGCCG CCTGGCCCGG GGAGGGCTTG CTTCAATCCG ACCAATTTTC3780  
 CAATCAA

3787

Name: 285

Len: 3886 Check: 12AD

AGGAGAGAAG AAATTGAAAA GCAGGCACTT GAGAAGTCTA AGAGAAGCTC TAAGACGTTT 60  
 AAGGAAATGC TGCAGGACAG GGAATCCCAA AATCAAAAGT CTACAGTTCC GTCAAGAAGG 120  
 AGAATGTATT CTTTGTATGA TGTGCTGGAG GAAGGAAGC GACCCCTAC AATGACTGTG 180  
 TCAGAAGCAA GTTACCAGAG TGAGAGAGTA GAAGAGAAGG GAGCAACTTA TCCTTCAGAA 240  
 ATTCCCAAAG AAGATTCTAC CACTTTTGCA AAAAGAGAGG ACCCGTGTAA CAACTGAAAT 300  
 TCAGCTTCCT TCTCAAAGTC CTGTGGAAGA ACAAAGCCCA GCCTCTTTGT CTTCTCTGCG 360  
 TTCACGGAGC ACACAAATGG AATCAACTTG TGTTCAGCT TCTCTCCCA GAAGTTACCG 420  
 GAAAACGTAT ACAGTCAGGT TAACATCTGT GGTACACCA AGACCTTTG GCTCTCAGAC 480  
 AAGGGGAATC TCATCACTCC CCAGATCTTA CACGATGGAT GATGCTTGA AGTATAATGG 540  
 AGATATTGAA GACATTAAGA GAACTCCAAA CAATGTGGTC AGCACCCCTG CACCAAGCCC 600  
 GGACGCAAGC CAACTGGCTT CAAGCTTATC TAGCCAGAAA GAGGTAGCAG CAACAGAAGA 660  
 AGATGTGACA AGGCTGCCCT CTCCTACATC CCCCTTCTCA TCTCTTTCCC AAGACCAGGC 720  
 TGCCACTTCT AAAGCCACAT TGTCTTCCAC ATCTGGTCTT GATTAAATGT CTGAATCTGG 780  
 AGAAGGGGAA ATCTCCCCAC AAAGAGAAGT CTCAGATCC CAGGATCAGT TCAGTGATAT 840  
 GAGAATCAGC ATAACCAGA CGCCTGGGAA GAGTCTTGAC TTTGGGTTTA CAATAAATG 900  
 GGATATTCTT GGGATCTTCG TAGCATCAGT TGAAGCAGGT AGCCACAGC AATTTTCTCA 960



184

GCTACAAGTA GATGATGAAA TTATTGCTAT TAACAACACC AAGTTTTTCAT ATAACGATTTC1020  
 AAAAGAGTGG GAGGAAGCCA TGGCTAAGGC TCAAGAAACT GGACACCTAG TGATGGATGT1080  
 GAGGCGCTAT GGAAAGGCTG GTTCACCTGA AACAAAGTGG ATTGATGCAA CTTCTGGAAT1140  
 TTACAACCTCA GAAAAATCTT CAAATCTATC TGTAACAACCT GATTTCTCCG AAAGCCTTCA1200  
 GAGTTCTAAT AITGAATCCA AAGAAATCAA TGGAATTCAT GATGAAAGCA ATGCTTTTGA1260  
 ATCAAAAGCA TCTGAATCCA TTTCTTTGAA AACTTAAAA AGGCGATCAC AATTTTTTGA1320  
 ACAAGGAAGC TCTGATTCGG TGGTTCCTGA TCTTCCAGTT CCAACCATCA GTGCCCCGAG1380  
 TCGCTGGGTG TGGGATCAAG AGGAGGAGCG GAAGCGGCAG GAGAGGTGGC AGAAGGAGCA1440  
 GGACCCCTTA CTGCAGGAAA AATATCAACG TGAGCAGGAG AAAGTGGGGG AAGAGTGGCA1500  
 AAGGGCCAAA CAGGAGGCAG AGAGAGAGAA TTCCAAGTAC TTGGATGAGG AACTGA7GGT1560  
 CCTAAGCTCA AACAGCATGT CTCTGACCAC ACGGGAGCCC TCTCTTGCCA CCTGGGAAGC1620  
 TACCTGGAGT GAAGGGTCCA AGTCTTCAGA CAGAGAAGGA ACCCGAGCAG GAGAAGAGGA1680  
 GAGGAGACAG CCACAAGAGG AAGTTGTTC A TGAGGACCAA GGAAAGAAGC CGCAGGATCA1740  
 GCTTGTATT GAGAGAGAGA GGAAATGGGA GCAACAGCTT CAGGAAGAGC AAGAGCAAAA1900  
 GCGGCTTCAG GCTGAGGCTG AGGAGCAGAA GCGTCTGCG GAGGAGCAGA AGCGCCAGGC1860  
 AGAGATAGAG CGGGAACAT CAGTCAGAAT ATACCAGTAC AGGAGGCCTG TTGATTCCCTA1920  
 TGATATACCA AAGACAGAAG AAGCATCTTC AGTTTTCTT CCTGGTGACA GGAATAAATC1980  
 CAGATCTACT ACTGAAGTGG ATGATTACTC CACAAATAAA ATGGAAACA ATAAATATTT2040  
 AGACCAAAAT GGGAAACCGA CCTCTTCACA GAGGAGATCC AAGAAAGAAC AAGTACCATC2100  
 AGGAGCAGAA TTGGAGAGGC AACAAATCCT TCAGGAAATG AGGAAGAGAA CACCCCTTCA2160  
 CAATGACAAC AGCTGGATCC GACAGCGCAG TGCCAGTGT CACAAAGAGC CTGTTAGTCT2220  
 TCCTGGGATC ATGAGAAGAG GCGAATCTTT AGATAACCTG GACTCCCCC GATCCAATTC2280  
 TTGGAGACAG CCTCCTTGGC TCAATCAGCC CACAGGATTC TATGCTTCTT CCTCTGTGCA2340  
 AGACTTTAGT CGCCCACCAC CTCAGCTGGT GTCCACATCA AACCGTGCCT ACATGCGGAA2400  
 CCCCTCCTCC AGCGTGCCCC CACCTTCAGC TGGCTCCGTG AAGACCTCCA CCACAGGTGT2460  
 GGCCACCACA CAGTCCCCCA CCCCAGAGAAG CCATTCCCCT TCAGCTTCAC AGTCAGGCTC2520  
 TCAGCTGCGT AACAGGTCAG TCAGTGGGAA GCGCATATGC TCCTACTGCA ATAACATTCT2580  
 GGGCAAAGGA GCCGCCATGA TCATCGAGTC CCTGGGTCTT TGTTATCATT TGCATTGTTT2640  
 TAAGTGTGTT GCCTGTGAGT GTGACCTCGG AGGCTCTTCC TCAGGAGCTG AAGTCAGGAT2700  
 CAGAAACCAC CAACTGTACT GCAACGACTG CTATCTCAGA TTCAAATCTG GACGGCCAAC2760  
 CGCCATGTGA TGTAAGCCTC CATACGAAAG CACTGTTGCA GATAGAAGAA GAGGTGGTTG2820  
 CTGCTCATGT AGATCTATAA ATATGTGTTG TATGTCTTTT TTGCTTTTTT TTTAAAAAA2880  
 AGAATAACTT TTTTGCCTC TTTAGATTAC ATAGAAGCAT TGTAGTCTTG GTAGAACCAG2940  
 TATTTTGTGTT GTTTATTTAT AAGSTAATTG TGTGTGGGA AAAGTGCAGT ATTTACCTGT3000  
 TGAATTCAGC ATCTTGGAGC CACAAGGGAA AAAATAAGAA CCTACGAATA TTTTGGAGGC3060  
 AGATAATGAT CTAGTTTGAC TTTCTAGTTA GTGGTGTGTT GAAGAGGGTA TTTTATTGTT3120  
 TTTTAAAAAA AGGTCTTAA ACATTATTTG AAATAGTTAA TATAAATACA TAATTGCATT3180  
 TGCTCTGTTT ATTGTAATGT ATTCTAAAT AATGCAGAAC CATATGGAAA ATTTTCATTAA3240  
 AATCTATCCC CAAATGTGCT TTCTGTATCC TTCCTCTAC CTATTATTCT GATTTTTTAA3300  
 AATGCAGTTA ATGTACCATT TATTTGCTTG ATGAAGGGAG CTCTATTTTC TTTACCAGAA3360  
 ATGTTGCTAA GTAATTCCTA ATAGAAAGCT GCTTATTTTC ATTAATGAAA AATAACCATG3420  
 GTTGTATAC TAGAAGTCTT CTTCAGAAAC TGGTGAGCCT TTCTGTTCAA TTGCATTTGT3480  
 AAATAAACTT GCTGATGCAT TTAACGAGTG GGTGCTCTTT TTCTTAGGTG TATGTGTCTG3540  
 ACCTCAGGCC TTTTAGCCAT ATTTAGTAT GTGGCCTTTT TTGATGTTAT GTTTTATCCA3600  
 GTAGCTTTAC TAAGGTATAA TTGATGTAAT AACTGTCATA TATTTAAAGT GTATACTTTG3660  
 ACAAAATTTG ACATGGTGTA TACCTTCGAA ACTATGCCAC AGTCTGGATG TGTTTACTGA3720  
 AACATTTTAA TAAGGAAGTT TATTTTTGAT AAAGTTATGT TTTTGGATAC AATATATTTG3780  
 TATGGTGAGA GTGATGAAT GTTGGATCAT TTGAATAAAA TCTTTTACTA ACCCCATGAT3840  
 AAAAGGAGAA GACAACAGTG AGCTTAGAAT ATCTATAAAG CAAAAA 3886

Name: 286

Len: 3198

Check:

40E

AACCTGAATA TCCAGGTGGA GGACATTCGG ATTTCAGGCCA TCCTCTCAAC CTACCGCAAG 60  
 CGCACCCAG TGATGGAGGG CTACGTGGAG GTGAAGGAGG GCAAGACCTG GAAGCAGATC 120  
 TGTGACAAGC ACTGGACGGC CAAGAATTCC CGCGTGGTCT GCGGCATGTT TGGCTTCCCT 180  
 GGGGAGAGGA CATAAATAC CAAAGTGTAC AAATGTTTG CCTCACGGAG GAAGCAGCGC 240  
 TACTGGCCAT TCTCCATGGA CTGCACCGGC ACAGAGGCCC ACATCTCCAG CTGCAAGCTG 300  
 GGCCCCCAGG TGTCACCTGA CCCCATGAAG AATGTCACCT GCGAGAATGG GCAGCCGGCC 360  
 GTGGTGAGTT GTGTGCCTGG GCAGGTCTTC AGCCCTGACG GACCCCTGAG ATTCCGGAAA 420  
 GCATACAAGC CAGAGCAACC CCTGGTGCGA CTGAGAGGCG GTGCCTACAT CGGGGAGGGC 480  
 CGCGTGGAGG TGCTCAAAAA TGGAGAGTGG GGGACCGTCT GCGACGACAA GTGGGACCTG 540  
 GTGTGCGGCA GTGTGGTCTG CAGAGAGCTG GGCTTTGGGA GTGCCAAAGA GGCAGTCACT 600  
 GGCTCCCGAC TGGGGCAAGG GATCGGACCC ATCCACCTCA ACGAGATCCA GTGCACAGGC 660  
 AATGAGAAGT CCATTATAGA CTGCAAGTTC AATGCCGAGT CTCAGGGCTG CAACCACGAG 720  
 GAGSATGCTG GTGTGAGATG CAACACCCCT GCCATGGGCT TGCAGAAGAA GCTGCGCCTG 780



185

AACGGCGGCC GCAATCCCTA CGAGGGCCGA GTGGAGGTGC TGGTGGAGAG AAACGGGTCC 840  
 CTTGTGTGGG GGATGGTGTG TGGCCAAAAC TGGGGCATCG TGGAGGCCAT GGTGGTCTGC 900  
 CGCCAGCTGG GCCTGGGATT CGCCAGCAAC GCCTTCCAGG AGACCTGGTA TTGGCAGCGA 960  
 GATGTCAACA GCAACAAAGT GGTGATGAGT GGAGTGAAGT GCTCGGGAAC GGAGCTGTCC1020  
 CTGGCGCACT GCCGCCACGA CGGGGAGGAC GTGGCCTGCC CCCAGGGCGG AGTGCAGTAC1080  
 GGGGCCGGAG TTGCCTGCTC AGAAACCGCC CCTGACCTGG TCCTCAATGC GGAGATGGTG1140  
 CAGCAGACCA CCTACCTGGA GGACCGGCCC ATGTTTCATG TCAGTGTGC CATGGAGGAG1200  
 AACTGCCTCT CGGCCTCAGC CGCGCAGACC GACCCACCA CGGGCTACCG CCGGCTCCTG1260  
 CGCTTCTCCT CCCAGATCCA CAACAATGGC CAGTCCGACT TCCGGCCCAA GAACGGCCGC1320  
 CACGCGTGGA TCTGGCACGA CTGTACACAGG CACTACCACA GCATGGAGGT GTTCAACCCAC1380  
 TATGACCTGC TGAACCTCAA TGGCACCAGG GTGGCAGAGG GCCAAAAGGC CAGCTTCTGC1440  
 TTGGAGGACA CAGAATGTGA AGGAGACATC CAGAAGAATT ACGAGTGTGC CAACTTCGGC1500  
 GATCAGGGCA TCACCATGGG CTGCTGGGAC ATGTACCGCC ATGACATCGA CTGCCAGTGG1560  
 GTTGACATCA CTGACGTGCC CCCTGGAGAC TACCTGTTCC AGGTTGTTAT TAACCCCAAC1620  
 TTCGAGGTG CAGAATCCGA TTACTCCAAC AACATCATGA AATGCAGGAG CCGCTATGAC1680  
 GGCCACCGCA TCTGGATGTA CAACTCCAC ATAGGTGGTT CCTTCAGCGA AGAGACGGAA1740  
 AAAAAGTTTG AGCACTTCAG CGGGCTCTTA AACAACCAGC TGTCCCGCC AGTAAAGAAG1800  
 CCTGCGTGGT CAACTCCTGT CTTACAGGCC CACCACATCT TCCATGGGAC TTCTCCCAA1860  
 CAACTGAGTC TGAACGAATG CCACGTGCCC TCACCCAGCC CGCCCCCAC CCTGTCCAGA1920  
 CCCCTACAGC TGTGTCTAAG CTCAGGAGGA AAGGGACCCT CCCATCATTC ATGGGGGGCT1980  
 GCTACCTGAC CCTTGGGGCC TGAGAAGGCC TTGCGGGGGT GGGGTTTGTG CACAGAGCTG2040  
 CTGGAGCAGC ACCAAGAGCC AGTOTTGACC GGGATGAGGC CCACAGACAG GTTGTCACTA2100  
 GCTTGTCCCA TTCAAGCCAC CGAGCTCACC ACAGACACAG TGGAGCCGCG CTCTTCTCCA2160  
 GTGACACGTG GACAAATGCG GGCTCATCAG CCCCCCAGA GAGGGTCAGG CCGAACCCCA2220  
 TTTCTCCTCC TCTTACCTCA TTTTCAGCAA ACTTGAATAT CTAGACCTCT CTTCGAATGA2280  
 AACCTCCAG TCTATTATAG TCACATAGAT AATGGTGCCA CGTGTTTTCT GATTGTGTGA2340  
 GCTCAGACTT GGTGCTTCCC TATCCACAGC CCCCACCCCT TGTTTTTCAA GATACTATTA2400  
 TTATATTTTC ACAGACTTTT GAAGCACAAA TTTATTGGCA TTTAATATTG GACATCTGGG2460  
 CCCTTGGAG TACAAATCTA AGGAAAAACC AACCCTACTGT GTAAGTGAAT CATCTTCCTG2520  
 TTGTTCCAT TCTGTGGGT TTTGATTCAA CGGTGCTATA ACCAGGGTCC TGGGTGACAG2580  
 GGAGATACAT GAGCACCATG TGTCATCACA GACACTTACA CATACTGAA ACTTGGAA2640  
 AAAGAAAGAT TTAAGAAAG TGTCTGTGTT TCCTTTGACC CACAGCACCT GGGCCCTGAG2700  
 CAGCAGGCTT CCTATGTTCA GTGGCCAGAA GCAGAGCTTC AGGTACATTC GTGGTTTCT2760  
 CCGGTGGACA TGGGTCTCTA GATCCCCCTC AGCCAGTGT GGGCACCAGG GCACCTCCTT2820  
 CAATAGACTC CAAAAGGGGC AGCTCCTACC ATCTGGGAGA AGCAATCTAA GGAGATCACA2880  
 AAAAGTAACG GAACAGGAGT CATAATCTTT CTGGAATCC TGTGGTTTTT ACTGAAACTT2940  
 GTCAGAAAGC ATAGGAGTTG TGGGAGGGCT GGTGGAAG TCTAGATTTA AACAGCCACC3000  
 AGGCAGCTTA TCAAAGCAAG AGGGCATCCG TTCACAGGAC AGGGGCTCCC AGCAATTC3060  
 AGTGGCAGTG GGGGGTGGCT GGCCCAAGCC CCAAGTCACC CAGACACAGG GGACTTCCCC3120  
 TTGTGTCAAC AGCATGCTAG GGCCAGCAA ACTAGAGGGT AGGTAGGACC ACCTTGGCAC3180  
 CAACTCCACT CAAACCAC

3198

Name: 287 Len: 4231 Check: 177A  
 GGACAGGCGT GCGGGCCGGA GCGCCAGCAT CCCIGCTTGA GGTCCAGGAG CGGAGCCCCG 60  
 GGCCACCGCC GCCTGATCAG CGCGACCCCG GCGCGCGCCC GCGCCGCCCC GCAAGATGCT 120  
 GCGCGGTGAC CAGGAGGTGA AGCCCAACCC GCTGCAGGAC GCGAACATCT GCTCACGCGT 180  
 GTTCTTCTGG TGGCTCAATC CCTTGTTTAA AATTGGCCAT AAACGGAGAT TAGAGGAAGA 240  
 TGATATGTAT TCAGTGCTGC CAGAAGACCG CTCACAGCAC CTTGGAGAGG AGTTGCAAG 300  
 GTTCTGGGAT AAAGAAGTTT TAAGAGCTGA GAATGACGCA CAGAAGCCTT CTTAACAAG 360  
 AGCAATCATA AAGTGTACT GGAAATCTTA TTTAGTTTTG GGAATTTTGA CGTTAATTGA 420  
 GGAAGTGGC AAAGTAATCC AGCCCATATT TTTGGGAAAA ATTATTAAAT ATTTTGAAAA 480  
 TTATGATCCC ATGGATTCTG TGGCTTTGAA CACAGCGTAC GCCTATGCCA CCGTGCTGAC 540  
 TTTTTCACG CTCATTTTGG CTATCTGACA TCACCTATAT TTTTATCAGG TTCAGTGTGC 600  
 TGGGATGAGG TTACGAGTAG CCATGTGCCA TATGATTTAT CCGAAGGCAC TTCGTCTTAG 660  
 TAACATGGCC ATGGGGAAGA CAACCACAGG CCAGATAGTC AATCTGCTGT CCAATGATGT 720  
 GAACAAGTTT GATCAGGTGA CAGTGTCTT ACACCTCCTG TGGGCAGGAC CACTGCAGGC 780  
 GATCGCAGTG ACTGCCCTAC TCTGGATGGA GATAGGAATA TCGTGCCTTG CTGGGATGGC 840  
 AGTTCTAATC ATTCTCCTGC CCTTGCAAAG CTGTTTTGGG AAGTTGTTCT CATCACTGAG 900  
 GAGTAAACT GCAACTTTCA CGGATGCCAG GATCAGGACC ATGAATGAAG TTATAACTGG 960  
 TATAAGGATA ATAAAAATGT ACGCCTGGGA AAAGTCATTT TCAAACTTTA TTACCAATTT1020  
 GAGAAAGAAG GAGATTTCCA AGATTCTGAG AAGTTCTGAC CTCAGGGGGA TGAATTTGGC1080  
 TTCGTTTTTC AGTGCAAGCA AAATCATCGT GTTGTGACG TTCACCACCT ACGTGCTCCT1140  
 CGGCAGTGTG ATCACAGCCA GCGCGGTGTT CGTGGCAGTG ACGCTGTATG GGGCTGTGCG1200  
 GCTGACGGTT ACCCTCTTCT TCCCTCAGC CATTGAGAGG GTGTGAGAGG CAATCGTCAG1260

186

CATCCGAAGA ATCCAGACCT TTTTGCTACT TGATGAGATA TCACAGCGCA ACCGTCAGCT1320  
 GCCGTCAGAT GGTAAAAAGA TGGTGCATGT GCAGGATTTT ACTGCTTTT GGGATAAGGC1380  
 ATCAGAGACC CCAACTCTAC AAGGCCTTTC CTTTACTGTC AGACCTGGCG AATTGTTAGC1440  
 TGTGGTGGGAG CCCGTGGGAG CAGGGAAGTC ATCACTGTTA AGTGCCGTGC TCGGGGAATT1500  
 GGCCCCAAGT CACGGGCTGG TCAGCGTGCA TGGAGAATT GCCTATGTGT CTCAGCAGCC1560  
 CTGGGTGTTT TCGGGAACCT TGAGGAGTAA TATTTTATTT GSGAAGAAAT ATGAAAAGGA1620  
 ACGATATGAA AAAGTCATAA AGGCTTGTGC TCTGAAAAAG GATTTACAGC TGTGGAGGA1680  
 TGGTGATCTG ACTGTGATAG GAGATCGGGG AACCACGCTG AGTGGAGGGC AGAAAGCACG1740  
 GGTAACCTT GCAAGAGCAG TGTATCAAGA TGCTGACATC TATCTCTGG ACGATCCTCT1800  
 CAGTGCAGTA GATGCGGAAG TTAGCAGACA CTTGTTTCGA CTGTGTATTT GTCAAATTTT1860  
 GCATGAGAAG ATCACAATTT TAGTGACTCA TCAGTTGCAG TACCTCAAAG CTGCAAGTCA1920  
 GATTCTGATA TTGAAAGATG GTAAATGGT GCAGAAGGGG ACTTACACTG AGTTCCTAAA1980  
 ATCTGGTATA GATTTTGGCT CCCTTTTAAA GAAGGATAAT GAGGAAAGTG AACAACTCC2040  
 AGTTCCAGGA ACTCCACAC TAAGGAATCG TACCTTCTCA GAGTCTTCGG TTTGGTCTCA2100  
 ACAATCTTCT AGACCCTCCT TGAAAGATGG TGCTCTGGAG AGCCAAGATA CAGAGAATGT2160  
 CCCAGTTACA CTATCAGAGG AGAACCCTTC TGAAGGAAAA GTTGGTTCAG AGGCCTATA2220  
 GAATTACTTC AGAGCTGGTG CTCACCTGGAT TGTCTTCATT TTCCTTATTC TCCTAAACAC2280  
 TGCAGCTCAG GTTGCCCTATG TGCTTCAAGA TTGGTGGCTT TCATACTGGG CAAACAAACA2340  
 AAGTATGCTA AATGTCACCT TAAATGGAGG AGGAAATGTA ACCGAGAAGC TAGATCTTAA2400  
 CTGGTACTTA GGAATTTATT CAGGTTTAAAC TGTAGCTACC GTTCTTTTTG GCATAGCAAG2460  
 ATCTCTATTG GTATTCTACG TCCTTGTAA CTCTTCACAA ACTTTGCACA ACAAAATGTT2520  
 TGAGTCAATT TGAAAGCTC CGGTATTATT CTTTGATAGA AATCCAATAG GAAGAATTTT2580  
 AAATCGTTTT TCCAAAGACA TTGGACACTT GGATGATTTG CTGCCGCTGA CGTTTTTAGA2640  
 TTTTCATCCAG ACATTGCTAC AAGTGGTTGG TGTGGTCTCT GTGGCTGTGG CCGTGATTCC2700  
 TTGGATCGCA ATACCCTTGG TTCCCCTTGG AATCATTTC ATTTTCTTTC GGCGATATT2760  
 TTTGGAAACG TCAAGAGATG TGAAGCGCCT GGAATCTACA ACTCGGAGTC CAGTGTTC2820  
 CCACTTGTCA TCTTCTCTCC AGGGGCTCTG GACCATCCGG GCATACAAAG CAGAAGAGAG2880  
 GTGTCAAGAA CTGTTTGATG CACACCAGGA TTTACATTCA GAGGCTTGGT TCTTGTTTT2940  
 GACAACGTCC CGCTGGTTCC CCGTCCGTCT GGATGCCATC TGTGCCATGT TTGTCATCAT3000  
 CGTTGCCCTT GGGTCCCTGA TTCTGGCAAA AACTCTGGAT GCCGGGCAGG TTGGTTTGGC3060  
 ACTGTCCCTAT GCCCTCACGC TCATGGGGAT GTTTCAGTGG TGTGTTTCGAC AAAGTGTGCA3120  
 AGTTGAGAA ATGATGATCT CAGTAGAAAG GGTCATTGAA TACACAGACC TTGAAAAAGA3180  
 AGCACCTTGG GAATATCAGA AACGCCCCC ACCAGCCTGG CCCCATGAAG GAGTGATAAT3240  
 CTTTGACAAT GTGAACTTCA TGTACAGTCC AGGTGGCCT CTGGTACTGA AGCATCTGAC3300  
 AGCACTCATT AAATCACAAG AAAAGGTTGG CATTGTGGGA AGAACCGGAG CTGGAAAAAG3360  
 TTCCCTCATC TCAGCCCTTT TTAGATTGTC AGAACCCGPA GGTAAAATTT GGATTGATAA3420  
 GATCTTGACA ACTGAAATTG GACTTCACGA TTTAAGGAAG AAAATGTCAA TCATACCTCA3480  
 GGAACCTGTT TTGTTCACTG GAACAATGAG GAAAAACCTG GATCCCTTTA AGGAGCACAC3540  
 GGATGAGGAA CTGTGGAATG CCTTACAAGA GGTACAACCT AAAGAAACCA TTGAAGATCT3600  
 TCCTGGTAAA ATGGATACTG AATTAGCAGA ATCAGGATCC AATTTTAGTG TTATTGATGA3720  
 ACAACTGGTG TGCCTTGCCA GGGCAATTCT CAGGAAAAAT CAAAAAATA TCCGGGAGAA3780  
 AGCGACGGCA AATGTGGATC CAAGAACTGA TGAGTTAATA CAAAAAATA TTGACAGCGA3840  
 ATTTGCCAC TGCACCGTGC TAACCATTCG ACACAGATTG AACACCATT TTAGAGCGA3900  
 CAAGATAATG GTTTTAGATT CAGGAAGACT GAAAGAATAT GATGAGCCGT ATGTTTTGCT3960  
 GCAAAATAAA GAGAGCCTAT TTTACAAGAT GGTGCAACAA CTGGGCAAGG CAGAAGCCGC3960  
 TGCCCTCACT GAAACAGCAA AACAGGTATA CTTCAAAAGA AATTATCCAC ATATTGGTCA4020  
 CACTGACCAC ATGGTTACAA ACACTTCCAA TGGACAGCCC TCGACCTTAA CTATTTTCGA4080  
 GACAGCACTG TGAATCCAAC CAAAATGTCA AGTCCGTTCC GAAGGCATTT TCCACTAGTT4140  
 TTTGGACTAT GTAAACCACA TTGTACTTTT TTTTACTTTG GCAACAAATA TTTATACATA4200  
 CAAGATGCTA GTTCATTGTA ATATTTCTCC C

Name: 288

Len: 4337

EBC

GGCTGTGACA CTAATACTTA ACATGGTGGT TGTGTCTCTT TATGCCTGAC TCAATCAGTT 60  
 GAAATCCAAA AGTAAGTTCT TCCTTGATTT ACCTGCCAAG ACCTGAGTTC AGGCCCTCAG 120  
 GGTGCTGAGG TTTTCTTTG TGGGAGAAAA TGCCACCAGA TGCGGGGTTA GGATTGCAGC 180  
 TCCGTTGAAG GCGCGGCCCC CGCTCCCGAA CCCCCGGCGA CCACCCCGTA ACAACCCCC 240  
 CACATCGGGA ATAACACACC GGAGACTTTT GGGGGGAAAC TAGGTGATG GTCGGCGGCG 300  
 CCGGATGGGC AGCTGAGGAT TGCCTTTGAG GTTATTTTAA AAGTTTGGAG TTGTACAGCA 360  
 CTTGATTATT TTGCTGCATT GTGAAAGGAC CTCTCCAGCA ATGATTACTT CAGAATTACC 420  
 AGTGTTACAG GATTCAACTA ATGAAACTAC TGCCCATTCG GATGCTGGCA GCGAGCTTGA 480  
 AGAAACAGAG GTCAAAGGAA AAAGAAAAAG GGGTCGTCTT GGCCGGCCTC CATCTACAAA 540  
 TAAGAAACCT CGAAAAATCTC CAGGTGAGAA GAGCAGAATT GAAGCTGGAA TTAGAGGAGC 600  
 AGGCCGTGGA AGAGCTAATG GACACCCTCA ACAGAATGGG GAAGGGGAGC CTGTACACTT 660  
 ATTTGAGGTG GTGAAACTGG GGAAGAGTGC AATGCACTCC GTGGTGGATG ACTGGATTGA 720

187

ATCATATAAA CAAGACAGGG ACATCGCACT TCTGGATTTA ATCAACTTTT TTATCCAGTG 780  
 TTCAGGATGT CGAGGTACTG TGAGAATAGA GATGTTTCGA AATATGCAGA ATGCAGAAAT 840  
 CATCAGAAAA ATGACTGAAG AATTGTGATG GGACAGTGGT GATTATCCTC TTACCATGCC 900  
 TGGACCTCAG TGGAAAAAAT TTCGTTCAAA CTTTGTGAA TTTATTGGAG TCCTGATTGG 960  
 ACAGTGTGAG TATAGCATAA TTTATGATGA GTATATGATG GACACAGTAA TCTCCCTTTT1020  
 GACGGGTTTG TCAGACTCCC AGGTCAGAGC TTTTAGGCAAT ACAAGTACCC TGGCTGCCAT1080  
 GAAGCTCATG ACTGCTCTGG TGAATGTTGC CTTAAACCTC AGTATTTCATC AGGATAATAC1140  
 CCAGAGACAA TATGAAGCCG AGAGAAATAA AATGATTGGG AAGAGAGCCA ATGAAAGGTT1200  
 GGAGTTACTA CTTCAGAAAC GCAAAGAGCT GCAAAGAAAT CAGGATGAAA TCGAAATAT1260  
 GATGAACCTC ATTTTAAAG GTATATTTGT TCATAGATAC CGTGATGCTA TTGCTGAGAT1320  
 TAGAGCCATT TGTATTGAAG AAATTGGAGT ATGGATGAAA ATGTATAGTG ATGCCTTCCT1380  
 AAATGACAGT TACCTAAAA ATGTTGGCTG GACTCTTCAT GACAGGCAAG GGGAAAGTCAG1440  
 GCTGAAGTGT TTGAAAGCTC TGCAGAGTCT ATATACCAAT AGAGAATTAT TCCCCAAATT1500  
 GGAAGTATTC ACTAACCAGT TCAAGGATCG CATTGTATCA ATGACACTTG ATAAAGAATA1560  
 TGATGTTGCT GTGGAAGCTA TTCGATTGGT TACTCTGATA CTTTCATGGAA GTGAAGAAGC1620  
 TCTTTCCAAT GAAGACTGTG AAAATGTTTA CCATCTGGTG TACTCGGCAC ATCGCCCTGT1680  
 TGCTGTGGCA GCTGGAGAGT TCCTTCACAA AAAGCTATTT AGCAGACATG ACCCACAAGC1740  
 AGAAGAAGCA TTAGCAAGA GGAGGGGAAG AAACAGCCCC AATGGAAACC TCATTAGGAT1800  
 GCTGGTTCTT TTCTTTCTTG AAAGTGAGTT ACATGAACAT GCAGCCTACT TGGTGGACAG1860  
 TTTATGGGAG AGCTCTCAAG AACTGTTGAA AGACTGGGAA TGTATGACAG AGTTGCTATT1920  
 AGAAGAACCT GTTCAAGGAG AGGAAGCAAT GTCTGATCGT CAAGAGAGTG CTCTTATAGA1980  
 GCTAATGGTT TGTACAATTC GTCAAGCTGC TGAGGCACAT CCTCCAGTGG GAAGGGGTAC2040  
 CGGCAAGAGA GTGCTAACTG CCAAAGAAAG GAAACTCAA ATTGATGATA GAAACAAATT2100  
 GACTGAACAT TTTATTATTA CACTTCCTAT GTTACTGTCA AAGTATTCTG CAGATGCAGA2160  
 GAAGGTAGCA AACTTGCTAC AAATCCCACA GTATTTTGAT TTAGAAATCT ACAGCACAGG2220  
 TAGAATGGAA AAGCATCTGG ATGCTTTATT AAAACAGATT AAGTTTGTG TGGAGAAACA2280  
 CGTAGAATCA GATGTTCTAG AAGCCTGCAG TAAAACCTAT AGTATCTTAT GCAATGAAGA2340  
 ATATACCATC CAGAACAGAG TTGACATAGC TCGAAGCCAG CTGATTGATG AGTTTGTAGA2400  
 TCGATTCAAT CATCTCTGTG AAGACCTATT GCAAGAGGGA GAAGAAGCTG ATGATGATGA2460  
 CATTTACAAT GTTCTTTCTA CATTAAGCG GTTAACTTCT TTTCAGAAAG CACATGATCT2520  
 CACAAAATGG GATCTCTTGG GTAATTGCTA CAGATTATTG AAGACTGGAA TTGAACATGG2580  
 AGCCATGCCA GAACAGATAG TCGTSCAAGC ACTGCAGTGT TCCCATTATT CGATTCTTTG2640  
 GCAGTTGGTG AAAATTACTG ATGGCTCTCC TTCCAAAGAG GATTTGTTGG TATTGAGGAA2700  
 AACGGTGAAG TCCTTTTTTG CTGTTTGCCA GCAGTGCCTG TCTAATGTTA ATACTCCAGT2760  
 GAAAGAACAG GCTTTCATGT TACTCTGTGA TCTTCTGATG ATTTTCAGCC ACCAATTAA2820  
 GACAGGTGGC AGAGAGGGCC TTCAGCCTTT GGTGTCAAT CCAGATACTG GACTCCAATC2880  
 TGAACCTCCTC AGTTTTGTGA TGGATCACGT TTTTATTGAC CAAGACGAGG AGAACCAGAG2940  
 CATGGAGGGT GATGAAGAAG ATGAAGCTAA TAAAATTGAG GCCTTACATA AAAGAAGGAA3000  
 TCTACTTGCT GCTTTCAGCA AACTTATCAT TTATGACATT GTTGACATGC ATGCAGCTGC3060  
 AGACATCTTC AAACACTACA TGAAGTATTA CAATGACTAT GGTGATATTA TTAAGGAAAC3120  
 ACTGAGTAAA ACCAGGCAGA TTGATAAAAT TCAGTGTGCC AAGACTCTCA TTCTCAGTTT3180  
 GCAACAGTTA TTAAATGAAC TTGTTCAAGA GCAAGSTCCC AACCTAGATA GGACATCTGC3240  
 CCATGTCAGT GGCATTAAAG AACTGGCAGC TCGCTTTGCC CTTACATTTG GATTGGACCA3300  
 GATTAAGACA CGAGAAGCAG TTGCCACACT TCACAAGGAT GGCATAGAGT TTGCATTTAA3360  
 ATACCAAAAT CAGAAAGGAC AAGAGTATCC ACCTCCTAAT CTGGCTTTTC TTGAAGTACT3420  
 AAGTGAATTT TCTTCTAAAC TTCTTCGACA GGACAAAAAG ACAGTTCATT CATACCTAGA3480  
 GAAATTCCTT ACCGAGCAGA TGATGGAAAG GAGGGAGGAT GTATGGCTTC CACTCATCTC3540  
 CTATAGAAAT TCATTAGTCA CTGGGGGTGA AGATGATAGA ATGTCTGTGA ACAGTGGAAAG3600  
 TAGCAGCAGC AAAACCTCAT CAGTAAGGAA TAAGAAAGGA CGACCTCCAC TTCATAAAAA3660  
 ACGAGTAGAA GATGAGAGTC TGGATAACAC ATGGCTAAAC AGGACTGACA CCATGATTCA3720  
 GACTCCTGGC CCCCTGCCAG CACCACAAC CACATCCACT GTACTGCGGG AGAACAGTCG3780  
 GCCCATGGGA GACCAGATTC AAGAACCTGA GTCTGAACAT GGTCTGAAAC CAGACTTTTT3840  
 ACACAATCCT CAGATGCAGA TCTCTTGGTT AGGCCAGCCG AAGTTAGAAG ACTTAAATCG3900  
 GAAGGACAGA ACAGGAATGA ACTACATGAA AGTGAGAACT GGAGTGAGGC ATGCTGTTTCG3960  
 GGGTCTAATG GAGGAAGATG CTGAGCCCAT CTTTGAAGAT GTGATGATGT CATCCCGAAG4020  
 CCAGTTAGAA GATATGAATG AAGAATTTGA GGACACCATG GTTATTGATC TGCCTCCATC4080  
 AAGAAATCGG CGAGAGAGAG CTGAGCTAAG GCCAGACTTC TTTGACTCTG CAGCTATCAT4140  
 AGAAGATGAT TCAGGATTTG GAATGCCATAT GTTCTGAAGT CTGAAGAAAA TTTACAAATC4200  
 TGGAACTCTA TTATTTAGAG CTAGAGGCCCT ATATACTGTG ATAGCTTGTA TGGGGAAAAA4260  
 CAACCTTTGA TGTGATCTGA TTTGTTTTTT AATCAAATGA TTAAGGTCAA TCCCTTTTTG4320  
 CAGTGACAGA AGAGGAG 4337

Name: 289

Len: 1090 Check:

C2

GCTCCGGGAG ACTTCCGCA GGGCGGGCG GGGGTCTTGG CGAACGGTCT TCGGAAGCGG 60

188

CGGCGGCGCG ATGACCACGC TACGGGCCCTT TACCTGCGAC GACCTGTTCC GCTTCAACAA 120  
 CATTAACTTG GATCCACTTA CAGAAACTTA TGGGATTCCCT TTCTACCTAC AATACCTCGC 120  
 CCACTGGCCA CAGTATTTCA TTGTTGCAGA GGCACCTGGT GGAGAATTAA TGGGTTATAT 240  
 TATGGGTAAA GCAGAAGGCT CAGTAGCTAG GGAAGAATGG CACGGGCACG TCACAGCTCT 300  
 GTCTGTTGCC CCAGAATTTT GACGCCCTTG TTTGGCTGCT ABACTTATGG AGTTACTAGA 360  
 GGAGATTTC AAGAGAAAGG GTGGATTTTT TGTGGATCTC TTTGTAAGAG TATCTAACCA 420  
 AGTTGCAGTT AACATGTACA AGCAGTTGGG CTACAGTGTA TATAGGACGG TCATAGAGTA 480  
 CTATTCGGCC AGCAACGGGG AGCCTGATGA GGACGCTTAT GATATGAGGA AAGCACTTTC 540  
 CAGGGATACT GAGAAGAAAT CCATCATACC ATTACCTCAT CCTGTGAGGC CTGAAGACAT 600  
 TGAATAACCC TGGGCAGTGG TTCTTAGGCA GATACCTAG ATGCTTTATG GACAATATTA 660  
 TTTTCATTGG ATGATTCTGG AGCTCTATTA GGAGAAAAGT AATCATTTTA GGTCTTAAAG 720  
 ACTTCAAGAA AATACAGGTT ATCAATTTAT TTAAATCTC ATTGTTTCCA GTTAGCAATA 780  
 TCATACCTAT TAAAGCTGTT CATTGTAACA AAATTCAATC AAAAAGGCAG CTAGGTCAGA 840  
 AGGAAACATA CCACTCTCAT GGTTTCATAG ATTCACTGTA TGTATGCTAG GGAAAAGACT 900  
 TGCTCCAGTC TCCTCCTCAG TTCTGTGCCT GAGAACCCT GCTGCATATA TTTGTTTTTA 960  
 AATTTTGTAT TGAAGTGTTA ATTGAAGCTT TAAAGCATA TATGAAATGT ATAAATCTAA1020  
 GATGTATAAT ACATTATTGA CTCTAAAAA AAAAAAATA AAAAAAATA AAAAAAATA1080  
 AAAAAAATA 1090

Name: 29 Len: 558 Check: 1348  
 GAGTGNGNCG GNGGTGGCGC CTGCGGACCT AACTAGCTCC AGGTTAGGCC GAGCTTTGNG 60  
 GGAAAGCAGC GGACTTGAAA ATACTGGAA TCTGTCCGGA TCCAAATTAT TTTGCAAGCC120  
 AGATGAGTAA CCAGAGGGCA TGAAAGGTTG AGAACATTTG ACTTCCCTGC AAACCTTGGT180  
 ATAGATCACT TCCTTTTCTG TAGGAAAGGA AAGGCACCAA AGAGCACAAT GAGTACAAGA240  
 AAGCGTCGTG GTGGAGCAAT AAATTCTAGA CAAGCTCAGA AGCGAACTCG GGAAGCAACC300  
 TCCACCCCCG AGATCTCCTT GGAAGCAGAA CCCATAGAAC TCGTGGAAC TGCTGGAGAT360  
 GAAATTGTGG ACCTCACTTG TGAATCTTTA GAGCCTGTGG TGGTTGATCT GACTCACAAT420  
 GACTCTGTTG TGATTGTTGA CGAAAGAAGA AGACCAAGGA GGAATGCTAG GAGGCTGCCC480  
 CAGGACCATG CTGACAGCTG TGTGGTGAGC AGTGACGATG AGGAGTTGTC CAGGGACAGA540  
 GACGTATAATG TGACTACC 558

Name: 290 Len: 2150 Check: 214D  
 CTCGAGCCAC GAAGGCCCGC CTGTCCTGTC TAGCAGATAC TTGCACGGTT TACAGAAATT 60  
 CGGTCCCTGG GTCTGTCTAG GAAACTGGAA AAAAGGTCAT AAGCATGAAG CGCAGTTTCA 120  
 TTTCCAGCGG TGGTGCTGGC CGCCTCTCCA TGCAGGAGTT AAGATCCCAG GATGTAAATA 180  
 AACAAGGCCT CTATACCCCT CAAACCAAAG AGAAACCAAC CTTTGGAAAG TTGAGTATAA 240  
 ACAAACCGAC ATCTGAAAGA AAAGTCTCGC TATTTGGCAA AAGAACTAGT GGACATGGAT 300  
 CCGGAATAG TCAACTTGGT ATATTTTCCA GTTCTGAGAA AATCAAGGAC CCGAGACCAC 360  
 TTAATGACAA AGCATTCATT CAGCAGTGTA TTCGACAACT CTGTGAGTTT CTTACAGAAA 420  
 ATGGTTATGC ACATAATGTG TCCATGAAT CTCTACAAGC TCCCTCTGTT AAAGACTTCC 480  
 TGAAGATCTT CACATTTCTT TATGGCTTCC TGTGCCCTC ATACGAACTT CCTGACACAA 540  
 AGTTTGAAGA AGAGGTTCCA AGAATCTTTA AAGACCTTGG STATCCTTTT GCACTATCCA 600  
 AAAGCTCCAT GTACACAGTG GGGGCTCCTC ATACATGGCC TCACATTGTG GCAGCCTTAG 660  
 TTTGGCTAAT AGACTGCATC AAGATACATA CTGCCATGAA AGAAAGCTCA CTTTATTTG 720  
 ATGATGGGCA GCCTTGGGGA GAAGAAACTG AAGATGGAAT TATGCATAAT AAGTTGTTTT 780  
 TGGACTACAC CATAAAATGC TATGAGAGTT TTATGAGTGG TGCCGACAGC TTTGATGAGA 840  
 TGAATGCAGA GCTGCAGTCA AAAGTGAAGG ATTTATTTAA TGTGGATGCT TTTAAGCTGG 900  
 AATCATTAGA AGCAAAAAAC AGAGCATTGA ATGAACAGAT TGCAAGATTG GAACAAGAAA 960  
 GAGAAAAAGA ACCGAATCGT CTAGAGTCGT TGAGAAAACCT GAAGGCTTCC TTACAAGGAG1020  
 ATGTTCAAAA GTATCAGGCA TACATGAGCA ATTTGGAGTC TCATTACAGCC ATTCTTGACC1080  
 AGAAATTAAA TGGTCTCAAT GAGGAAATTG CTAGAGTAGA ACTAGAATGT GAAACAATAA1140  
 AACAGGAGAA CACTCGACTA CAGAATATCA TTGACAACCA GAAGTACTCA GTTGACAGAA1200  
 TTGAGCGAAT AAATCATGAA AGAAATGAAT TGCAGCAGAC TATTAATATA TTAACCAAGG1260  
 ACCTGGAAGC TGAACAACAG AAGTTGTGGA ATGAGGAGTT AAAATATGCC AGAGGCAAG1320  
 AAGCGATTGA AACACAATTA GCAGAGTATC ACAAATTGGC TAGAAAATTA AAACCTTATTC1380  
 CTAAGGTTGC TGAGAATTCC AAAGGTTATG ACTTTGAAAT TAAGTTTAAAT CCCGAGGCTG1440  
 GTGCCAACTG CCTTGTCAAA TACAGGGCTC AAGTTTATGT ACCTCTTAAG GAACTCCTGA1500  
 ATGAAACTGA AGAAGAAATT AATAAAGCCC TAAATAAAAA AATGGGTTTG GAGGATACTT1560  
 TAGAACAATT GAATGCAATG ATAACAGAAA GCAAGAGAAG TGTGAGAAT CTGAAAGAAG1620  
 AAGTTCAAAA GCTGGATGAT CTTTACCAAC AAAAAATTA GGAAGCAGAG GAAGAGGATG1680  
 AAAAAATGTC CAGTGAGCTT GAGTCCTGG AGAAACACAA GCACCTGCTA GAAAGTACTG1740  
 TTAACCAGGG GCTCAGTGA GCTATGAATG AATTAGATGC TGTTACGCGG GAATACCAAC1800  
 TAGTTGTGCA AACCAGACT GAAGAAAGAC GAAAAGTGGG AAATAACTTG CAACGTCTGT1860  
 TAGAGATGGT TGCTACACAT GTTGGGTCTG TAGAGAAACA TCTTGAGGAG CAGATTGCTA1920  
 AAGTTGATAG AGAATATGAA GAATGCATGT CAGAAGATCT CTCGGAAAT ATTAAGAGA1980

-189

TTAGAGATAA GTATGAGAAG AAAGCTACTC TAATTAAGTC TTCTGAAGAA TGAAGATAAA2040  
ATGTTGATCA TGTATATATA TCCATAGTGA ATAAATTTGT CTCAGTAAAA AAAAAAAAAA2100  
AAAAAAAAAA AAAAAAAAAA AAAAAAAAAA AAAAAAAAAA AAAAAAAAAA 2150  
Name: 291 Len: 3800 Check: 2389  
GTCGGAGGCA GAGGCGGCGG CGGCAGGCGG GGAGCAAGAG GCCCAGGCGA CTGCGGCGGC 60  
TGGGGAAGGA GACAATGGGC CGGGCCTGCA GGGCCCCTCT CGGGAGCCAC CGCTGGCCGA 120  
CAACTTGTAC GACGAAGACG ACGACGACGA GGGCGAGGAG GAGGAAGAGG CGGCGGCGGC 120  
GGCGATTGGG TACCGAGATA ACCTTCTGTT CGGTGATGAA ATTATCACTA ATGGTTTTCA 240  
TTCCTGTGAA AGTGATGAGG AGGATAGAGC CTCACATGCA AGCTCTAGTG ACTGGACTCC 300  
AAGGCCACGG ATAGGTCCAT ATACTTTTGT TCAGCAACAT CTTATGATTG GCACAGATCC 360  
TCGAACAATT CTTAAGATT TATTGCCGGA AACAAATACCT CCACCTGAGT TGGATGATAT 420  
GACACTGTGG CAGATTGTTA TTAATATCCT TTCAGAACCA CCAAAAAGGA AAAAAAGAAA 480  
AGATATTAAAT ACAATTGAAG ATGCCGTGAA ATTACTGCAA GAGTGCAAAA AAATTATAGT 540  
TCTAACTGGA GCTGGGGTGT CTGTTTCATG TGGAATACCT GACTTCAGGT CAAGGGATGG 600  
TATTTTATGCT CGCCTTGCTG TAGACTTCCC AGATCTTCCA GATCCTCAAG CGATGTTTGA 660  
TATTGAATAT TTCAGAAAAG ATCCAAGACC ATTCTTCAAG TTTGCAAAGG AAATATATCC 720  
TGGACAATTC CAGCCATCTC TCTGTACAAA ATTCATAGCC TTGTCAGATA AGGAAGGAAA 780  
ACTACTTCGC AACTATACCC AGAACATAGA CAGCCTGGAA CAGGTTGCGG GAATCCAAAG 840  
GATAATTCAG TGTCATGGTT CCTTTGCAAC AGCATCTTGC CTGATTTGTA AATACAAAGT 900  
TGACTGTGAA GCTGTACGAG GAGATATTTT TAATCAGGTA GTTCTCTCAT GTCTAGGTG 960  
CCCAGCTGAT GAACCGCTTG CTATCATGAA ACCAGAGATT GTGTTTTTTG GTGAAAATTT1020  
ACCAGAACAG TTTTCATAGAG CCATGAAGTA TGACAAAGAT GAAGTTGACC TCCTCATTGT1080  
TATTTGGGTCT TCCCTCAAAG TAAGACCAGT AGCACTAATT CCAAGTTCCA TACCCCATGA1140  
AGTGCCTCAG ATATTAATTA ATAGAGAACC TTTGCCCTCAT CTGCATTTTG ATGTAGAGCT1200  
TCTTGGAGAC TGTGATGTCA TAATTAATGA ATTGTGTCTAT AGGTTAGGTG GTGAATATGC1260  
CAAACTTTGC TGTAAACCTG TAAAGCTTTC AGAAATTACT GAAAAACCTC CACGAACACA1320  
AAAAGAAATG GCTTATTTGT CAGAGTTGCC ACCCACACCT CTTCATGTTT CAGAAGACTC1380  
AAGTTACCCA GAAAGAACTT CACCACCAGA TTCTTCAGTG ATTGTACAC TTTTAGACCA1440  
AGCAGCTAAG AGTAATGATG ATTTAGATGT GTCTGAATCA AAAGGTTGTA TGGAAGAAAA1500  
ACCACAGGAA GTACAAACTT CTAGGAATGT TGAAAGTATT GCTGAACAGA TGGAAAATCC1560  
GGATTTGAAG AATGTTGGTT CTAGTACTGG GGAGAAAAAT GAAAGAACTT CAGTGGCTGG1620  
AACAGTGAGA AAATGCTGGC CTAATAGAGT GGCAAGGAG CAGATTAGTA GGCGGCTTGA1680  
TGGTAATCAG TATCTGTTTT TGCCACCAAA TCGTTACATT TTCCATGGCG CTGAGGTATA1740  
TTCAGACTCT GAAGATGACG TCTTATCCTC TAGTTCCTGT GGCAGTAACA GTGATAGTGG1800  
GACATGCCAG AGTCCAAGTT TAGAAGAACC CATGGAGGAT GAAAGTGAAA TTGAAGAATT1860  
CTACAATGGC TTAGAAGATG AGCCTGATGT FCCAGAGAGA GCTGGAGGAG CTGGATTGG1920  
GACTGATGGA GATGATCAAG AGGCAATTAA TGAAGCTATA TCTGTGAAAC AGGAAGTAAC1980  
AGACATGAAC TATCCATCAA ACAAATCATA GTGTAATAAT TGTGCAGGTA CAGGAATTGT2040  
TCCACCAGCA TTAGGAACTT TAGCATGTCA AAATGAATGT TTACTTGTGA ACTCGATAGA2100  
GCAAGGAAAC CAGAAAGGTG TAATATTTAT AGGTTGGTAA AATAGATTGT TTTTCATGGA2160  
TAATTTTTTAA CTTCATTATT TCTGTACTTG TACAACTCA ACACCTAATT TTTTTTTTTT2220  
AAAAAAAAAA AGGTACTAAG TATCTTCAAT CAGCTGTTGG GTCAAGACTA ACTTTCTTTT2280  
AAAGGTTTCA TTTGTATGATA AATTCATATG TGTATATATA ATTTTTTTTG TTTTGTCTAG2340  
TGAGTTTCAA CATTTTTTAA GTTTTCAAAA AGCCATCGGA ATGTTAAAT AATGTAAAGG2400  
GACAGCTAAT CTAGACCAAA GAATGGTATT TTCACTTTTC TTTGTAACAT TGAATGGTTT2460  
GAAGTACTCA AAATCTGTTA CGCTAACTT TTGATTCTTT AACACAATTA TTTTAAACA2520  
CTGGCATTTT CCAAACTGT GGCAGCTAAC TTTTAAAAAT CTCAAATGAC ATGCAGTGTG2580  
AGTAGAAGGA AGTCAACAAT ATGTGGGGAG AGCACTCGGT TGTCTTTACT TTTAAAGTA2640  
ATACTTGGTG CTAAGAATTT CAGGATTATT GTATTACGT TCAAATGAAG ATGGCTTTTG2700  
TACTTCCTGT GGACATGTAG TAATGTCTAT ATTGCTCAT AAAACTAACC TGAAAAACAA2760  
ATAAATGCTT TGGAAATGTT TCAGTTGCTT TAGAAACATT AGTGCCTGCC TGGATCCCCT2820  
TAGTTTTGAA ATATTTGCCA TGTGTTGTTA AATACCTATC ACTGTGGTAG AGCTTGCAAT2880  
GATCTTTTCC ACAAGTATTA AACTGCCAAA ATGTGAATAT GCAAAGCCTT TCTGAATCTA2940  
TAATAATGGT ACTTCTACTG GGGAGAGTGT AATATTTTGG ACTGCTGTTT TCCATTAAATG3000  
AGGAGAGCAA CAGGCCCTG ATTATACAGT TCCAAAGTAA TAAGATGTTA ATTGTAATTC3060  
AGCCAGAAAG TACATGTCTC CCATTGGGAG GATTTGGTGT TAAATACCAA ACTGCTAGCC3120  
CTAGTATTAT GGAGATGAAC ATGATGATGT AACTTGTAAT AGCAGAATAG TTAATGAATG3180  
AAACTAGTTC TTATAATTTA TCTTTATTTA AAAGCTTAGC CTGCCTTAAA ACTAGAGATC3240  
AACTTTCTCA GCTGCAAAAG CTTCTAGTCT TTCAAGAAGT TCATACTTTA TGAAATTGCA3300  
CAGTAAGCAT TTATTTTCA GACCATTTTT GAACATCACT CCTAAATTA TAAAGTATTC3360  
CTCTGTTGCT TTAGTATTTA TTACAATAAA AAGGGTTTGA AATATAGCTG TCTTTATGC3420  
ATAAAACACC CAGCTAGGAC CATTACTGCC AGAGAAAAAA ATCGTATTGA ATGGCCATTTC3480  
CCCTACTTAT AAGATGTCTC AATCTGAATT TATTTGGCTA CACTAAAGAA TGCAGTATAT3540

150

TTAGTTTTCC ATTTGTCATGA TGTGTTGTGTG CTATAGATGA TATTTTAAAT TGAAAAGTTT3600  
 GTTTTAAAPT ATTTTACAG TGAAGACTGT TTTTCACTCT TTTTATATTG TACATAGTCT3660  
 TTTATGTAAT TTACTGGCAT ATGTTTGTGA GACTGTTTAA TGACTGGATA TCTTCCTTCA3720  
 ACTTTTGAAG TACAAAACCA GTGTTTTTTA CTGTGTACACT GTTTTAAAGT CTATTTAAAT3780  
 TGTCAATTTGA CTTTTTCTG 3800

Name: 292 Len: 1731 Check: 2073  
 GGGGGAGGCT GTGATGGGTT GACAGGTGCG TGACAGTGGG AGCTGCTCTC GGCACAAGCA 60  
 TGTACGGCAA AGGCAAGAGT AACAGCAGCG CCGTCCCGTC CGACAGCCAG GCCCGGGAGA 120  
 AGTTAGCACT CTACGTATAT GAATATCTGC TCCATGTAGG AGCTCAGAAA TCAGCTCAAA 180  
 CATTTTTATC AGAGATAAGA TGGGAAAAAA ACATCACATT GGGGGAACCA CCAGGATTCT 240  
 TACATTTCTG GTGGTGTGTA TTTTGGGATC TCTACTGTGC AGCTCCAGAG AGACGTGAAA 300  
 CATGTGAACA CTCAAGTGAA GCAAAAGCCT TCCATGATTA CAGTGCTGCA GCAGCTCCCA 360  
 GTCCAGTSCAT AGGAAACATT CCCCCAGGAG ATGGCATGCC AGTAGGTCTT GTACCACAG 420  
 GGTTCCTTCA GCCTTTTATG TCACCTCGGT ACCCTGGAGG TCCAAGGCCC CCATTGAGGA 480  
 TACCTAATCA GGCACCTGGA GGTGTCCCGA GAAGTCAGCC ATTACTCCCC AGAGGAATGG 540  
 ATCCAACCTG ACAACAAGGA CATCCAAATA TGGGTGGGCC PATGCAGAGA ATGACTCCTC 600  
 CAAGAGGAAT GGTGCCCTTA GGACCACAGA ACTATGGAGG TGCAATGAGA CCCCCACTGA 660  
 ATGCTTTTAGG TGGGCCCTGGA ATGCCCTGGA TGAACATGGG TCCAGGTGGT GGTAGACCTT 720  
 GGCCAAACCC AACAAATGCC AATTCAATAC CATACTCCTC AGCATCTCCT GGGAAATTATG 780  
 TAGGTCTCTC AGGAGGTGGA GGGCCACCAG GAACACCCAT CATGCTTAGT CCAGCAGATT 840  
 CAACCAACTC TGGTGATAAC ATGTATACCT TAATGAATGC AGTACCTCCT GGACCTAACA 900  
 GACCTAATTT TCCAATGGGC CCTGGGTCAG ATGGTCCCAT GGGTGGGATTA GGAGGAATGG 960  
 AGTCACATCA CATGAATGGC TCTTTAGGCT CAGGAGATAT GGACAGTATT TCCAAGAATT1020  
 CTCCCAATAA TATGAGCCTG AGTAATCAAC CGGGCACTCC AAGGGATGAT GGCGAAATGG1080  
 GGGGAAATTT CTTAATCTCT TTTTCAAGTG AGAGTTACTC CCTAGCATG ACAATGAGCG1140  
 TGTGATCCAT TACCAAGTCT CCTCATGAAA ACCACAGTGA GTCAGCCCTT CACAGAACTA1200  
 CTACGGAAGA AAATTATTCA TCACAGTGTA CAGTTAAACA AAGGAATCTC AGTCACACCA1260  
 AACCAACCTT TTCATTTCTT GCTCTCTCCC CTCTTTTGTG AAGAAAGCGG GTCCAGATGT1320  
 GATTCAACA ACTGTACGGA GTGGCATATT AGAATTGCCC TAAACTGAAC TGCAAATAAT1380  
 TATGTGTGTA TGTATATGTG TGGGAAAGAG AATGTACTGT ATATGTGTAT GTTATACAGA1440  
 CATATACACA TACATACATT GACCCACAGG ACATTGTAAA ATATTATCAC ATGACATCTT1500  
 AAGTAGAAAT AAGTAGGGAC TTTTATTCCA TCCTTTTTTT CACGTTTACA TTTTAATTAT1560  
 TACAAGTTGC TCCTGCCCCC TCCCTGAAC TATTTGTGCT GTGTATATCA CTGCTTTATA1620  
 TAAGTTATTT TTTAAGGTGA ACTCAGATGT TATGGTTTTG TATATGTCTG CAATCATGGA1680  
 TAGGAATAAA ATCGCTTATT TGAGAGCTTT CAAAAA AAAA C 1731

Name: 293 Len: 3416 Check: 2559  
 GGTTTACACG TACCTCCGCC TCATCGTGGA CCACCATGGG ACTGCCCAGC TCCAGGCCCT 60  
 GCGACAGAAG GAAGTAGACT TCTGCATCTC ACTGCTTCGG GAACGGTTCA TGGAAATGTCT 120  
 GATGATTTGG CCGGATCTCG TAAGACTACT TCAGAATGTT GCTAGGATAC CAGAATTTGA 180  
 ACTGCTTTGG AAAGATATTA TCCATAATCC TCAGGCCTTG AGTCCTCAGT TCACAGGTAT 240  
 CCTACAGCTT CTTCAGTCAA GAACATCCCG AAAATTCTTA GCATGTGCTC TAACCCCGGA 300  
 CATGGAGACT AAATCCTCT TCATGACATC CCGGGTGCGA TTTGGTCAAC AAAAGCGATA 360  
 CCAAGATTGG TTCCAGCGCC AGTACCTGTC AACTCCAGAT AGTCAGTCTC TGCGCTGTGA 420  
 CCTCATTCGC TACATCTGTG GGGTAGTCCA CCCTTCTAAT GAAGTACTGA GTTCAGATAT 480  
 CTTGCCCGGG TGGGCCATCA TTGGTTGGCT CCTGACAACG TGCACGTCAA ATGTCTGCTG 540  
 CTCCAATGCC AAGCTGGCTT TGTTTTATGA CTGGCTGTTT TTAGTCCAG ACAAGGATAG 600  
 CATTATGAAC ATAGAACCAG CCATCCTGGT CATGCACCAC TCCATGAAG CCCCACAGC 660  
 CATCACTGCC AACTCCTGG ACTTCATGTG CCGCATCATT CCCAACTTCT ATCCACCATT 720  
 GGAGGGCCAC GTSCGGCAGG GTGTCTTTTC CTCCCTCAAC CACATTGTGG AGAAACGGGT 780  
 CTTGGCGTGT AAAAAGTATT GGCTCTACCT CAGACTGCTG GGCATAATGC TTCTTGGCTC 840  
 TTAGAGGAAT TTCTCTCCTG CCATCCTATT ACAAAGACAC CTAGCTCCCC TGTTTGACAA 900  
 CCTAAGTTG GATAAGGAGC TGCGGGCAAT GCTGAGAGAG AAGTTTCTCT AGTCTGTCAG 960  
 CTCACCTTCC CCACCTGTGG AAGTCAAAAT TGAGGAGCCA GTTTCCATGG AGATGGACAA1020  
 CCATATGTG GATAAGGATG AGAGTTGCTA TGACAATGCA GAGGCAGCCT TCAGTGACGA1080  
 TGAAGAGGAT CTCAACAGCA AAGGAAAGAA GAGGGAGTTT CGCTTCCACC CTATCAAGGA1140  
 GACAGTTGTG GAGGAGCCAG TTGATATCAC CCTTACCTT GACCAAGTTG ATGAGTCCCT1200  
 GAGGGACAAA GTACTCCAGC TACAGAAGGG GAGTGATACG GAGGCCCAGT GTGAGGTCT1260  
 GCAGGAAATT GTGGACCAGG TCCTGGAGGA AGACTTTGAC TCGGAGCAGC TGTCTGCTCT1320  
 TGCTTCTGCT CTACAGGAGC TCTTCAAGGC CCACTTTTGA GGGGAGGTCC TGCCTGAGGA1380  
 GATTACTGAG GAGTCCCTGG AGGAGTCTGT AGGAAAGCCT CTGTACCTAA TATTTAGGAA1440  
 CCTATGTGAG ATGCAGGAAG ACAACAGCAG CTCTCTCTTA CTCTAGACC TTCTCTCCGA1500  
 GCTATATCAG AAGCAGCCCA AGATTGGCTA CCACCTGCTC TACTACCTGA GGGCCAGCAA1560  
 AGCCCGCGCA GGAAGATGA ACCTGTACGA GTCATTTGCC CAGGCTACCC AGCTGGGCGA1620

-191

TCTGCACACC TGCCTGATGA TGGACATGAA GGCCTGCCAG GAGGACGATG TGGCGCTCCT1680  
 GTGCCACCTC ACGCCCTCCA TCTACACAGA GTTCCAGAT GAAACCTTGA GGAGCGGAGA1740  
 CGTGTCTGAAC ATGATCGTGG CTGTTATTGA CTCTGCACAG CTCCAGGAGC TGGTCTGCCA1800  
 GGTGATGATG GGTAACCTGG TTATGTTTCG AAAAGACTCA GTTCTCAACA TACTCATTCA1860  
 GAGCCTAGAC TGGGAGACCT TTGAGCAGTA TTGTGCCTGG CAGCTCTTTC TGGCCCAACA1920  
 TATTCCTCTG GAGACCATPA TCCCATCTCT GCAGCACCTC AAATACAAGG AGCACCAGAA1980  
 GGCCTGTGCT TGCCTACTGC TTCAACTCCG AAGAGAAAAG CCCAGCGAGG AGATGGTGAA2040  
 GATGGTGCTG AGCCGGCCCT GCCATCCTGA CGACCAGTTC ACCACCAGCA TCCTGCGGCA2100  
 CTGGTGCTAT AAACATGACG AGCTGCTGGC CGAGCACATC AAGTCCCTGC TCATCAAGAA2160  
 CAACAGCCTG CCTCGCAAGA GACAGAGCCT GAGGAGCTCT AGCAGCAAGC TGGCCAGCT2220  
 GACTCTGGAG CAGATCCTGG AGCACTTGGA CAATCTGCGG CTCAACCTGA CCAACACCAA2280  
 GCAGAACTTT TTTAGCCAGA CGCCAATTCT CCAGCGCTG CAGCATGTCC AAGCGAGCTG2340  
 TGACGAAGCC CACAAGATGA AATTCACTGA TCTCTTCTCC CTGGCGGAGG AATATGAGGA2400  
 CTCTTCCACC AAGCCACCCA AGAGCCGGCG AAAAGCAGCT CTGTCCAGCC CTCGAAGTCG2460  
 AAAGAATGCC ACACAGCCCC CCAATGCCGA AGAAGAGTCG GGCTCCAGCA GTGCTTCAGA2520  
 AGAGGAAGAC ACGAAACCGA AGCCTACCAA GCGGAAACGA AAAGGGTCTT CTGCAGTGGG2580  
 CTCTGACAGT GACTGAGGCC CTGCATTCCC CATCCCACCC CCGGCTGGAC TGCCCTCTCC2640  
 TTCTTGGTGA TTCAAAGGTT AATAGAGGCT GAGGAGATTG CAGGGGAAAC ACCCTTGCTG2700  
 CATCCCCAAG CTCCCCCGGT GGAAGGAGGA GCTTTCTCCT CTGGCTGAGT TTGAGAAGCT2760  
 GCCATGCAGC CCCTAGCCCC TTCCCTCCTC CTGGGGCCTC CAGCCCCCTCA CACTGCTGTT2820  
 CCCAGTGATA TTTGGGATCT GACTGAAGCC AGAGGCTCTG TAAATCAGA CCATAGTGA2880  
 AGTCCTCAGC CCCCTGGCCC CTTCCGCAAT CTCCTCCCCC AGTCTCCCAA AGAGCCATTT2940  
 CAACAGAGAA GGGAAATGAC AAAGGGGCGC CTGGCCAGAT AAGCTAGGAT GAGAGCAGAG3000  
 ACTCAGTGTG TGGGTGTCCC TTCTTGCTTC CCTTTCAGGT CTGGGTTTGT TCTGAAGGGA3060  
 CGTTTTATAG TCACTATCCA CATGCCAGTG TGAATGGGC ATCTATGACG TGGTCAGGGT3120  
 GTCCATTCTT AATCATGGGG CAGATGCCAC AAGCATTGAG AAAGGAGTCT GAAAGGGTGG3180  
 CCACAGCCCC ACGTGGTGTG CCCTGGAGGC TTAGGTTGGT CTGAGGTTGG CACCTCAATC3240  
 TACACCAGAG CCCAGGGAGT CCCAGAGGCA AGTTTCACAG AATTGTCAA TGATCCCATT3300  
 TCCTTGAGTC TGTTTTTTTT TTTTGTTTTT TTTTGTTTTT TTTTGGCAG AGATAATCGT3360  
 GTCTTAAAG TTGTTTTTAA ATGACAATAA AACAAGCCAG AATGTCAAAA AAAAAA 3416

Name: 294

Len: 1927

Check: 12B5

GTAAACCAGC CGGAGCGGCG CGGCAGCGGC AGGACCGCCG TGGCGCCTAG AGTAGCGACC 60  
 CGGGGGGAGC GCGGGGCGAC GCTGGCTGCA GGGACCCGGT GACAGCGTGA GAGGTTCCGA 120  
 GAGTACTAGG TTTTGACAAAG CTTGCATCAT GCGTGAGTAT AAGCTAGTCG TTCTTGCTC 180  
 AGGAGGCGTT GGAAAGTCTG CTTTGAATGT ACAATTGTTT CAAGGAATTT TTGTAGAAA 240  
 ATACGATCCT ACGATAGAAG ATTCTTATAG AAAGCAAGTT GAAGTAGATG CACAACAGTG 300  
 TATGCTTGAA ATCTTGGAATA CTGCAGGAAC GGAGCAATTT ACAGCAATGA GGGATTTATA 360  
 CATGAAAAAT GGACAAGGAT TTGCATTAGT TTATTCCATC ACAGCACAGT CCACATTTAA 420  
 CGATTTACAA GACCTGAGAG AACAGATTCT TCGAGTTAAA GACACTGATG ATGTTCCAAT 480  
 GATTCTTGTT GGTAAATAAGT GTGACTTGGA AGATGAAAGA GTTGTAGGGA AGGAACAAGG 540  
 TCAAAATCTA GCAAGACAAT GGAACAACTG TGCATTCTTA GAATCTTCTG CAAAATCAAA 600  
 AATAAATGTT AATGAGATCT TTTATGACCT AGTSCGGCAA ATTAACAGAA AACTCCAGT 660  
 GCTGGGAAG GCTCGCAAAA AGTCATCATG TCAGCTGCTT TAATATACTA AATGCATTGT 720  
 AGCTCTGAGC CAGGTCTGAA GAACGTGTGC CCAATTCAAC AGTGCCAGCA TTCCAATTT 780  
 GTTAAACCTA CCAACATCTT AAATGGACTT TCCTGTGGTG GTACCCTTTA AGAGGCGGAT 840  
 GAAAGCTACT ATATCAGTTT GCACATTCTA ATCACTTTCC AGTATCACA GAGAGATTTT 900  
 TACTTATATA ATAGTCCTAG AGTTTGACG TGGTAAAACC AGAGGCTACA TCCAGTATTA 960  
 CTGCTAAGAG ACATTCTTCA TCCACCAATG TTGTACATGT ATGAAAATGG TGTACTGTAT1020  
 ACTTTAACAT GCCCATACT TTGTATTGGA GAGTACAATA ATGTAAATCC TAAAAGCACC1080  
 ACTATTTTAG CATAATAAAA GAAAGTCCAA AGAGCTCCTA TATAGACTAC TCCAGATAAC1140  
 TTCGCTTCTT TGATACTTGT AGCTTATTGT AATTTTTTTT AAGAAATTCA AGGTCAATTAT1200  
 TATTGTACAA AATAAGCGCT TTGATTAACA CAGCTATATA GTTTTTTTAA TTTTTAAAA1260  
 ACCTGTGGAG ACGGTGATCT TGTCTTTAAA ACATGATAGT CCTTTCAGTA TAATGTCTTA1320  
 GATTAAAGAC GTTGCCCTTA ATATCTGTTG GGAAGGAAAT GTCCAGACTT TTCAAATCTC1380  
 TTATTATATG TTTCCTTTTT TTGTTTACAT AGGGAACAAT GTTTATAGTC GTGTGTACAG1440  
 TGGGGGTCTA CAACAAGAAG TGTATATTTT CAAACAATTT TTTAATGATT TAACAATTTT1500  
 TGTAAATCAT TTTCAGGCTT CTGCAGCTGT AGATTCTCAC TGTGAATCCC TTGCTTGCTC1560  
 ATGCATAAGT GTATTTGCAA TACCAATAT ACAGGTTTAG TATTTTGGC TGTAGTGAT1620  
 TGTTCACAT GTGTAACGTT TTGGTTGAGA TGTAAATGG TGGACGAGTA CTGTGGATGT1680  
 GAATGTGGGA AGTAATTTTA ATCATATGTA ATTGGTCACA AGGCCTAAT TGCAGTAACT1740  
 ATTGCTGTTT TATTTAACAA TGCCCTGTGT CTTTGTATGC ATTAATGTTT GGATGTAAAG1800  
 ATTGTGTGTC TATCCAACAG GGAGCCACAG TATTTAAAT GACCAACCTA ATGTTACAAC1860  
 TACTTTGAGG TGGCCAAATG TAACTAAAA GCCTTAATTA AAGTGGTGCA ATTTTGTA1920



182

1927

AAAAAA

Name: 295

Len: 1453 Check: 42C

GGCTGTTGGC GGGGTTGGC TCGGCGCGGG AGTCGGCTGC ACGTGCGGGC GGGGGCGATG 60  
 CGTCACTGAT CGGAGGAACG AGAATGAATA TGAATCAAGC CCGGGTTCTG GTGGCTGCAG 120  
 TGGTGGGGTT GGTGGCTGTC CTGCTCTACG CCTCCATCCA CAAGATTGAG GAGGGCCATC 180  
 TGGCTGTGTA CTACAGGGGA GGAGCTTTAC TAACTAGCCC CAGTGGACCA GGCTATCATA 240  
 TCATGTTGCC TTTCATTACT ACGTTCAGAT CTGTGCAGAC AACACTACAA ACTGATGAAG 300  
 TTAAAAATGT GCCTTGTGGA ACAAGTGGTG GGGTCATGAT CTATATTGAC CGAATAGAAG 360  
 TGGTTAATAT GTTGGCTCCT TATGCAGTGT TTGATATCGT GAGGAACTAT ACTGCAGATT 420  
 ATGACAAGAC CTTAATCTTC AATAAAATCC ACCATGAGCT GAACCAAGTTC TGCAGTCCCC 480  
 ACACACTTCA GGAAGTTTAC ATTGAATTGT TTGATCAAAAT AGATGAAAAC CTGAAGCAAG 540  
 CTOTGCAGAA AGACTTAAAC CTCATGGCCC CAGGTCTCAC TATACAGGCT GTGCGTGTTA 600  
 CAAAACCCAA AATCCCAGAA GCCATAAGAA GAAATTTTGA GTTAATGGAG GCTGAGAAGA 660  
 CAAAACCTCT TATAGCTGCA CAGAAACAAA AGGTTGTGGA AAAAGAAGCT GAGACAGAGA 720  
 GGAAAAAGGC AGTTATAGAA GCAGAGAAGA TTGCACAAGT GGCAAAAATT CGGTTTCAGC 780  
 AGAAAGTGAT GGAAAAAGAA ACTGAAAAGC GCATTTTCTGA AATCGAAGAT GCTGCATTCC 840  
 TGGCCCCGAGA GAAAGCGAAA GCAGATGCTG AATATTATGC TGCACACAAA TATGCCACCT 900  
 CAAACAAGCA CAAGTTGACC CCGGAATATC TGGAGCTCAA AAGTACCAG GCCATTGCTT 960  
 CTAACAGTAA GATCTATTTT GGCAGCAACA TCCCTAACAT GTTCGTGGAC TCCTCATGTG1020  
 CTTTGAAATA TTCAGATATT AGGACTGGAA GAGAAAGCTC ACTCCCTCT AAGGAGGCTC1080  
 TTGAACCCCTC TGGAGAGAAC GTCATCCAAA ACAAAGAGAG CACAGGTTGA TGCAAGAGGT1140  
 GGAAATGTTT TCCATATCAA GATGTGGCCC AAGGGGTTAA GTGGGAACAA TCATTATACG1200  
 GACTCTTCAG ATTTACAGAG AACTTACACT TCATCTGTTT CACCTCTCCT GCGATAGTCC1260  
 TGGGTGCTCC ACTGATTGGA GGATAGAGCC AGCTGTCTGA CACACAAATG GTCTTTTCAG1320  
 CCACAGTCTT ATCAAGTATC CTATATGTAT TCCTTTCTAA ACTGCTACTC ATGAATGAGG1380  
 AAAGTCTGAT GCTAAGATAC TGCCTGCACT GGAATGTTAA ACATAAATA TATAACAAGC1440  
 TGTGTTTTTCG TAA 1453

Name: 296

Len: 3120 Check: 678

CCGCAGAGGG CCGGGGCTAC GGGGCAGCCC CGGGCGATGA GGGGCCGGCG TTGACCGGGA 60  
 AGAGCGGGCA CCGCGGCAGT GGCTCCGAGG GGACCCGCGA TGGCAGCGCC CTGAGAGGAG 120  
 GCTCCAGGCA GGGCGGGCTG CGCTGGCAGC GGCCGCTGAG GTGCTGGCCG GCCGGCTGCG 180  
 TGGCGACGGG GGCAGAAAGCG ACGAGAGGCG CGCTCGGCAC CCGCACCCCC GTGCCCCCGC 240  
 CTCAGTTGTC TAAACTTCGG GCTCTCTTCC ACCGTCTGCG CGCCAGAGT CAACPACTTC 300  
 TTCACCCCCC TCCGCCCCCG CCCTTCCCTC CGTCAGCCCC GGGAGCTCGC CGCGGCCCGG 360  
 GGACCAGGAA CCTCCAGCGC TGAGATGTGG CCGTGAGGCG TTGGCGGGCG CCGAGGAGAA 420  
 GCTCGGCGGC GTCCCGGGGC CGGAGGGCCG TGGGGCCGGG GCGCAGGGGC GCGAGCACCC 480  
 CGCGCCTCTC CCCCSCCTCC TCCTGCGCTC TCCSCCGCTG CCGGTGCTT GCAAGCAGCA 540  
 GCCGGAGCTG CCAAGCGTCA GGGCCGCGGA GATGTCGTCG TCGTCGCCGC CGGCGGGGGC 600  
 TGCCAGCGCC GCCATCTCGG CCTCGGAGAA AGTGGACGGC TTCACCCGGA AATCGGTCCG 660  
 CAAGGCGCAG AGGCAGAAGC GCTCCCAGGG CTGCTCGCAG TTTCGCGAGC AGGGCAGCCA 720  
 GGCAGAGCTG CACCCGCTGC CCCAGCTCAA AGATGCCACT TCAATGAAC AACAAGAGCT 780  
 TTCTGTCTAG AAGTTGCAGC AGTGTGTAT ACTGTTTGT TCCATGGACT CTGTTTCAGA 840  
 CTTGAAGAGC AAAGAAATTA AAAGAGCAAC ACTGAATGAA CTGGTTGAGT ATGTTTCAAC 900  
 TAATCGTGGT GTAATTGTTG AATCAGCGTA TTCTGATATA GTAAAAATGA TCAGTGCTAA 960  
 CATCTTCCGT ACACTTCCCT CAAGTGATAA TCCAGATTTT GATCCAGAAG AGGATGAACC1020  
 CACGCTTGAG GCCTCTTGGC CTCACATACA GTTGGTATAT GAATTCCTCT TGAGATTTT1080  
 GGAGAGCCCT GATTTCCAGC CTAGCATTCG AAAACGATAC ATTGATCAGA AATTCGTACA1140  
 ACAGCTCCTG GAGCTTTTTG ATAGTGAAGA TCCAGAGAA CGTGAATTCC TGAAGACTG1200  
 TCTGCACCGA ATTTATGGGA AATTTCTTGG ATTAAGAGCA TTCATCAGAA AACAAATTAA1260  
 CAACATTTTC CTCAGGTTTA TATATGAAAC AGAACATTTT AATGGTGTG CTGAACCTCT1320  
 TGAAATATTA GGAAGTATTA TCAATGGCTT TGCATTGCCA CTGAAAGCAG AACATAAACA1380  
 ATTTCTAATG AAGGTTCTTA TTCCTATGCA TACTGCAAAA GGATTAGCTT TGTTTCATGC1440  
 TCAGCTAGCA TATTGTGTTG TACAGTTCCT GGAGAAAGAT ACAACACTAA CAGAGCCAGT1500  
 GATCAGAGGA CTGCTGAAAT TTTGGCCAAA AACCTGCAGT CAGAAAGAGG TGATGTTTTT1560  
 AGGAGAAATT GAAGAAATCT TAGATGTCAT TGAACCAACA CAGTTCAAAA AAATTGAAGA1620  
 GCCACTTTTC AAGCAGATAT CCAAGTGTGT ATCCAGTTCT CATTTTCAGG TTGCAGAAAG1680  
 GGCATTGTAC TTCTGGAATA ACGAATATAT TCTTAGTTTG ATTGAGGAGA ACATTGATAA1740  
 AATTCGTCCA ATTATGTTTG CCAGTTTGTA CAAAATTTCC AAAGAACACT GGAATCCGAC1800  
 CATTTAGTCA CTGGTATACA ATGTGCTGAA AACCCATATG GAAATGAATG GCAAGCTTTT1860  
 CGATGACCTT ACTAGCTCAT ACAAAGCTGA AAGACAGAGA GAGAAAAAGA AGGAATTGGA1920  
 ACGTGAAGAA TTATGGAAAA AATTAGAGGA GCTAAAGCTA AAGAAAGCTC TAGAAAAACA1980  
 GAATAGTGCT TACAACATGC ACAGTATTCT CAGCAATACA AGTGCCGAAT AAAAAAAG2040  
 CCTCCACCT CTGCCGATA GGCAGAGTTT TGTATGCTTT TTTGAAATAT GTAAAAATTA2100



193

CAAAACAAAC CTCATCAGTA TAATATAATT AAAAGGCCAA TTTTCTCTGG CAACTGTAAA2160  
 TGGAAAAATA TATGGACTAA ACGTAGCCCT GTGCTGTATC ATGGCCATAG TATATTGTAA2220  
 CCTTTGTCTA ATCATTGGAT TTATTGTGTC ACTTCTGAAG TTTCACAGAA ATGAATGAAT2280  
 TTTATCATCT ATGATATGAG TGAGATAATT ATGGGAGTGG TAAGAATTAT GACTTGAATT2340  
 CTTCTTTGAT TGTGTTGCAC ATAGATATGG TAGTCTGCTC TGTATATTTT TCCCTTTTAT2400  
 AATGTGCTTT TCACACTGCT GCAAACCTTA GTTACATCCT AGGAAAAAAT ACTTCCTAAA2460  
 ATAAACTAA GGTATCATCC TTACCCTTCT CTTTGTCTCA CCCAGAAATA TGATGGGGGG2520  
 AATTACCTGC CCTAACCCCT CCCTCAATAA ATACATTACT GTACTCTGGA ATTTAGGCAA2580  
 AACCTTAAAT CTCCAGGCTT TTTAAAGCAC AAAATATAAA TAAAAGCTGG GAAAGTAAAC2640  
 CAAAATCTTT CAGATTGTTT CTCATGAATA TCCCTTTTCC TCTGCAATTC TCCAGAGTGG2700  
 TAACAGATGG GTAGAGGCAG CTCAGGTGAA TTACCCAGCT TGCCTCTCAA TTCATTCCCTC2760  
 CTCTTCCTCT CAAAGGCTGA AGGCAGGGCC TTCCAGTCC TCACAACCTG TCCTTCACCT2820  
 AGTCCCTCCT GACCCAGGGA TGGAGGCTTT GAGTCCCA CA GTGTGGTGAT ACAGAGCACT2880  
 AGTTGTCACT GCCTGGCTTT ATTTAAGGA ACTGCAGTAG GCTTCCTCTG TAGAGCTCTG2940  
 AAAAGGTTGA CTATATAGAG GTCTTGTATG TTTTACTTG GTCAAGTATT TCTCACATCT3000  
 TTTGTTATCA GAGTACCATT CCAATCTCTT AACTTGCAGT TGTGTGAAA ACTGTTTTGT3060  
 AATGAAAGAT CTTCAATGGG GGATTGAGCA GCATTTAATA AAGTCTATGT TTGTATTTTG3120

Name: 297

Len: 1759 Check:

127B

CAGCCGTGGA GGGGAACGGGC CTGCGTTCTC TCCTCCTTCC TCCCCGCCCTC CAGCTGCCGG 60  
 CAGGACCTTT CTCTCGCTGC CGCTGGGACC CCGTGTATC GCCCAGGCCG AGCAGGATGC 120  
 CCCCTAAAAA GGGAGGTGAT GGAATTAAAC CACCCCAAT CATTGGAAGA TTTGGAACCT 180  
 CACTGAAAT TGGTATTGTT GGATTGCCAA ATGTTGGGAA ATCTACTTTC TTCAATGTGT 240  
 TAACCAATAG TCAGGCTTCA GCAGAAAAC TCCCGTTCTG CACTATTGAT CCTAATGAGA 300  
 GCAGAGTACC TGTGCCAGAT GAAAGGTTTG ACTTCTTTG TCAATACCAC AAACCAGCAA 360  
 GCAAAATTCC TGCCCTTTCTA AATGTGGTGG ATATTGCTGG CCTTGTGAAA GGAGCTCACA 420  
 ATGGGCAGGG CCTGGGGAAT GCTTTTTTAT CTCATATTAG TGCCTGTGAT GGCATCTTTC 480  
 ATCTAACACG TGCTTTTGAA GATGATGATA TCACGCACGT TGAAGGAAGT GTAGATCCTA 540  
 TTCCGAGATAT AGAAATAATA CATGAAGAGC TTCAGCTTAA AGATGAGGAA ATGATTGGGC 600  
 CCATTATAGA TAAACTAGAA AAGGTGGCTG TGAGAGGAGG AGATAAAAAA CTAAACCTG 660  
 AATATGATAT AATGTGCAA GTAAATCCT GGGTTATAGA TCAAAAGAAA CCTGTTTCGCT 720  
 TCTATCATGA TTGGAATGAC AAAGAGATTG AAGTGTGAA TAAACACTTA TTTTGAATT 780  
 CAAAACCAAT GGTCTACTTG GTTAATCTTT CTGAAAAAGA CTACATTAGA AAGAAAAACA 840  
 AATGGTTGAT AAAAATTAAA GAGTGGGTGG ACAAGTATGA CCCAGGTGCT TTGGTCAATC 900  
 CTTTGTAGTG GGCCTTGGAA CTCAAGTTGC TGCCAAAGAT CATTAGGCT GGGTTTGCAG1020  
 ATCTGGAAGC GAACATGACA CAAAGTGCTT TTCCTGTCAG GCCCAGATGA AGTGCCTGCA TGGACCATCA1080  
 CACTCCAAT AGAATACTTT TTCCTGTCAG GAAAGATTCA CACAGATTTT GAAAAGGGAT1140  
 GGAAGGGGAC TAAGGCTCCT CAGGCTGCAG GAAAGATTCA CACAGATTTT GAAAAGGGAT1140  
 TCATTATGGC TGAAGTAATG AAATACGAAG ATTTTAAAGA GGAAGSTTCT GAAAATGCAG1200  
 TCAAGGCTGC TGGAAAGTAC AGACAACAAG GCAGAAATTA TATTGTTGAA GATGGAGATA1260  
 TTATCTTCTT CAAATTTAAC ACACCTCAAC AACCGAAGAA GAAATAAAAT TTAGTTATTG1320  
 CTCAGATAAA CATCAACTT CCAAAAGGCA TCTGATTTT AAAAATTA AATTCTGAA1380  
 AACCAATGCG ACAATAAAG TTGGGGAGAT GGGAAATCTT GACAAACAAA TTATTTTAT1440  
 TTGTTTTAAA ATTAAATAC TGTGTACCCC CCCCCCCCCA TGAAATGCAG GTTCACTAAA1500  
 TGTGAACAGC TTTGCTTTTC ACGTGATTAA GACCCTACTC CAAATTGTAG AAGCTTTTCA1560  
 GGAACCATAT TACTCTCATG ATACTTCATT AATCTCCATC ATGTATGCCA AGCCTGACAC1620  
 ATTTGACAGT GAGGACAATG TGGCTTGCTC CTTTTTGAAT CTACAGATAA TGCATGTTTT1680  
 ACAGTACTCC AGATGTCTAC ACTCAATAAA ACATTTGACA AAACCAAAAA AAAAAAAA1740  
 AAAAAAAA AAAAAAAA

Name: 298

Len: 2374 Check:

1C94

GTCATGCAGT GCGCCGGAGA ACTGTGCTCT TTGAGGCCGA CGCTAGGGGC CCGGAAGGAA 60  
 ACTGCGAGGC GAAGGTGACC GGGGACCGAG CATTTCAGAT CTGCTCGGTA GACCTGGTGC 120  
 ACCACCACCA TGTGCTGCTG AAGGCTGGTG TGTCTCCGGA CACTACCTTC TAGGGTTTTT 180  
 CACCCAGCTT TCACCAAGGC CTCCCTGTT GTGAAGAATT CCATCAGCAA GAATCAATGG 240  
 CTGTTAACAC CTAGCAGGGA ATATGCCACC AAAACAAGAA TTGGGATCCG GCGTGGGAGA 300  
 ACTGGCCAAG AACTCAAAGA GGCAGCATTG GAACCATCGA TGGAAAAAAT ATTTAAAT 360  
 GATCAGATGG GAAGATGGTT TGTGCTGGA GGGGCTGCTG TTGGTCTTGG AGCATTGTGC 420  
 TACTATGGCT TGGGACTGTC TAATGAGATT GGAGCTATTG AAAAGGCTGT AATTGGCCT 480  
 CAGTATGTCA AGGATAGAAT TCATTCCACC TATATGTA CTAGAGGAG TATTGGTTTA 540  
 ACAGCTTTGT CTGCCATAGC AATCAGCAGA ACGCTGTT TCATGAACTT CATGATGAGA 600  
 GGCTCTTGGG TGACAATTGG TGTGACCTTT GCAGCCATGG TTGGAGCTGG AATGCTGGTA 660  
 CGATCAATAC CATATGACCA GAGCCAGGC CCAAGCATC TTGCTTGGTT GCTACATTCT 720  
 GGTGTGATGG GTGCAGTGGT GGCTCCTCTG ACAATATTAG GGGGTCTCT TCTCATCAGA 780  
 GCTGCAIGGT ACACAGCTGG CATTGTGGGA GGCCTCTCCA CTGTGGCCAT GTGTGCCCC 840

194

AGTGAAAAGT TTCTGAACAT GGGTGCACCC CTGGGAGTGG GCCTGGGTCT CGTCTTTGTG 900  
TCCTCATTGG GATCTAIGTT TCTTCCACCT ACCACCGTGG CTGGTGCCAC TCTTTACTCA 960  
GTGGCAATGT ACGGTGGATT AGTCTTTTTC AGCATGTTC TTCTGTATGA TACCCAGAAA1020  
GTATCAAGCG TGCAGAAGTA TCACCAATGT ATGSAGTTCA AAAATATGAT CCCATTAACT1080  
CGATGCTGAG TATCTACATG GATACATTAA ATATATTTAT GCGAGTTGCA ACTATGCTGG1140  
CAACTGGAGG CAACAGAAAG AAATGAAGTG ACTCAGCTTC TGGCTTCTCT GCTACATCAA1200  
ATATCTTGTT TAATGGGGCA GATATGCATT AAATAGTTTG TACAAGCAGC TTTCGTTGAA1260  
GTTTAGAAGA TAAGAAACAT GTCATCATAT TTAATGTTT CCGTAATGTG ATGCCTCAGG1320  
TCTGCCCTTT TTTCTGGAGA ATAAATGCAG TAATCCTCTC CCAAATAAGC ACACACATTT1380  
TCAATTTCTCA TGTTTGAGTG ATTTTAAAT GTTTTGGTGA ATGTGAAAAC TAAAGTTTGT1440  
GTCATGAGAA TGTAAGTCTT TTTTCTACTT TAAATTTAG TAGGTTCACT GAGTAACTAA1500  
AATTTAGCAA ACCTGTGTTT GCATATTTT TTGGAGTGCA GAATATTGTA ATTAATGTCA1560  
TAAGTGATTT GGAGCTTTGG TAAAGGGACC AGAGAGAAG AGTCACCTGC AGTCTTTTGT1620  
TTTTTTAAAT ACTTAGAAT TAGCACTTGT GTTATTGATT AGTGAGGAGC CAGTAAGAAA1680  
CATCTGGGTA TTTGGAAACA AGTGGTCATT GTTACATTCA TCTGCTGAAC TTAACAAAAC1740  
TGTTCTCCTT GAAACAGGCA CAGGTGATGC ATTCTCCTGC TGTGCTTCT CAGTGCTCTC1800  
TTTCCAATAT AGATGTGGTC ATGTTTGAAT TGTACAGAAT GTTAATCATA CAGAGAATCC1860  
TTGATGGAAT TATATATGTG TGTTTACTT TTGAATGTTA CAAAAGGAAA TAACTTTAAA1920  
ACTATTCTCA AGAGAAAATA TTCAAAGCAT GAAATATGTT GCTTTTCCA GAATACAAAC1980  
AGTATACTCA TGAATTGCTA AGTGTTTTTT TATTTTGGCA TATTTATTGA ACTGTCTAAT2040  
TGAATACAGC TTGCTCTTGT CACCTCTTCA AGCTTTCAAG CCTTTATAGA AAAGCTTCTT2100  
TGTTGGCTTAC ACTGGAAAT ATGAAGCAG TTTTCTCCT AAGACTTTTG GTTCTCTGCA2160  
TTGCCCTCA GACTAAGCAC TAAAAGCAA AGCAAACAG AACTAGTTCT GTCTTAATGA2220  
AATATATCAA CCCAAAAGTG TAATGAGGAA AATGCTTCAT TAGTTTCCCC TAGCAGACTT2280  
TTACTTCTCT TACACTGCTA CACCATTACT TTCTTGAGAC ATTTGTAAGT CCTTTGATAC2340  
AGAAGAGTTA TATTTAGGAG GCTTTAATGA AGGG 2374

Name: 299

Len: 5112 Check:

15A6

GTAGCTGGGG TGAGGCCGTC GTCGCCGAC GGGCTGGTTG GGGCTGTGTC TGTGGGAGGC 60  
GCCGGGGTGA TGGCGGTGGA GACTCTGTCC CCGGACTGGG AGTTTGACCG CGTTGACGAC 120  
GGCTCGCAGA AAATTCATGC CGAAGTCCAA CTTAAGAATT ATGGGAAATT TCTTGAGGAG 180  
TATACCTCTC AACTGAGAAG AATTGAGGAC GCTCTGGATG ACTCAATTGG AGATGTTTGG 240  
GATTTCAATC TTGATCCTAT AGCATTAAAG CTTTTGCCCT ATGAACAGTC CTCTCTTTTG 300  
GAACTCATAA AGACTGAAAA CAAGGTCTTA AACAAAGTCA TCACTGTTTA TGCTGCACCT 360  
TGTTGTGAAA TCAAGAAATT AAAATATGAG GCTGAAACTA AATTTTACAA TGGTCTCTTG 420  
TTTTATGGAG AAGGAGCTAC AGATGCCAGC ATGGTGGAAG GTGATTGCCA AATTCAAATG 480  
GGGAGATTTA TTTCATTCTT ACAGGAACGT TCTTGCTTTG TTACGAGGTG CTATGAAGTG 540  
GTGATGAACG TAGTCCACCA GTTGGCTGCC CTCTATATCA GTAACAAGAT TGCACCCAAA 600  
ATTATAGAGA CAACTGGAGT TCATTTTTCAG ACTATGTATG AGCACTTGGG AGAAGTCTGA 660  
ACAGTTTTCG TCACCCTGGA TGAAATTATT GATAATCATA TCACACTGAA AGACCACITG 720  
ACTATGTACA AAAGGTTACT GAAATCTGTC CATCACAATC CTTCAAATTT TGGAAATTCG 780  
GAAGAAAAAT TAAAGCCATT TGAAAAGTTC TTGCTGAAGC TAGAAGGGCA ATTACTGGAT 840  
GGAATGATAT TCCAGGCCTG TATAGAACAA CAATTTGATT CTCTCAATGG AGGAGTATCT 900  
GTGTCAAAAA ATAGTACTTT TGCTGAGGAA TTTGACATA GTATTGCGTC AATTTTGGCA 960  
AATGTAGAAG CCAAACCTTG AGAACCTTCT GCACTTTTCAG ATTTTTCGAA CTATTGATAA AAAGTTTAT1080  
ATTTGTGGAC TCTTTGTATT TAAGAAGGTA CCAGCCATCA CTCTAACTGC TAATATTATT1140  
AAGTCTTTAT TGGACATTTG GATCCAGAAA ATACCAGCAG CTGCCAAACT GCTAGACAGA1200  
TGGTTTCTCTG ATAATTTTCT TATACACAGG GATACTTTTC TACAACAGAA AGCTCAATCA1260  
AAAAGTCTTC AAGCCATTAA AATACACAGG TTTGTGAGCT CATGGATGAT GAAAATGGAA1320  
CTTACCAAAG ATGTACAGTC TTACTACGTC TTTGTGAGCT AAGATCTCAC CAATAGATGT1380  
TCTATTTTGT CTAAAGAGCA GAGAATGGAT AAATTTGCTG GTACCATTAT TAAAACCACA1440  
AATGTTTTTA TACAGGGCTT CTGTATGCA TATAGTATTA GTACCATTAT TAAAACCACA1440  
ATGAATCTCT ACATGTCCAT GCAAAAGCCA ATGACCAAAA CCTCAGTTAA GGCATTGTGC1500  
AGGCTTGTTG AACTTCTCAA GGCAATAGAG CATATGTTCT ACAGGAGAAG CATGGTTGTG1560  
GCTGATTCAG TTTCAACATC CTTCAACATC AGGCTCTTCA TTCTATTTCT1620  
GTGGCCAAAG AAGAGTGAT TTCTGACAAA AAATACAGCG AACAGCGTCT TGATGTGCTC1680  
TCTGCTCTAG TTTTGGCTGA AAACACTCTA AATGGACCAA GCACAAAGCA ACGGCGACTT1740  
ATTGTTTCTT TGGCACTAAG TGTTGGCACA CAAATGAAAA CATTTAAAGA TGAAGAAGT1800  
TTTCCACTTC AAGTAGTCAT GAAAAAAGT GATCTTATTA GTGAAGTCTAG AGAAGAGTCT1860  
CAAACACAAT GTGACTGTTG TTTTATATAC TGGCATCGAG CTGTCTTCCC AATTTATTTA1920  
GATGATGTAT ATGAAAATGC TGTTGATGCA GCCAGATTAC ATTACATGTT CAGTGCTTTG1980  
CGCGACTGTG TACCTGCTAT GATGCATGCA AGGCATTTAG AGTCTTATGA GATACTTCTG2040  
GATTGCTATG ACAAGGAAAT TATGGAAATT TTAATGAGC ATTTGCTGGA CAAATTATGC2100  
AAAGAAATAG AGAAAGATCT GCGACTTTCT GTGCATACTC ATTTAAAGCT GGATGACCGA2160

195

AACCCCTTTCA AAGTTGGCAT GAAAGACCTG GCTCTTTTTT TCTCTCTGAA TCCAATTCGG2220  
 TTTTTCATTC GTTTCATTGA CATTGCGGCT TACGTAACTC ACTACCTAGA CAAGACTTTC2280  
 TACAATCTAA CAACTGTAGC CCTTCATGAC TGGGCCACTT ATAGTGAGAT GAGAACTTA2340  
 GCTACTCAGC GTTATGGACT GGTTATGACA GAGGCACATC TTCCCAGTCA GACTTTGGAA2400  
 CAGGGCCTTG ATGTTTTAGA AATTATGAGA AACATTCATA TATTTGTGTC CCGATACCTC2460  
 TATAATCTCA ACAATCAGAT TTTTATTGAA CGAACAGCA ATAACAAGCA TTTGAATACT2520  
 ATTAATATTC GGCATATTGC TAATTCAATT CGAACACATG GCACGGGAAT TATGAATACA2580  
 ACTGTTAATT TCACCTACCA GTTTTTGAAA AAGAAGTTCT ATATATTTAG CCAATTTATG2640  
 TATGATGAAC ACATCAAATC CAGATTGATT AAAGATATTC GATTTTTCAG GGAAATTAAG2700  
 GACCAAAATG ATCATAAGTA TCCTTTTGAT AGAGCAGAAA AATTCAATCG AGGCATCAGA2760  
 AAACCTTGGAA TAACACCTGA GGGACAGAGC TACCTTGATC AATTCAGGCA ACTCATCAGC2820  
 CAGATTGGTA ATGCTATGGG CTATGTACGA ATGATAAGAT CTGGTGGTCT TCATTGTAGC2880  
 AGCAATGCCA TTAGATTTGT TCCTGATCTT GAAGATATTG TAAATTTTGA AGAACTAGTA2940  
 AAAGAAGAAG GTCTTGCGA AGAAACATTA AAAGCAGCAA GGCATTTGGA TTCAGTCTC3000  
 AGTGATCACA CACGAAATTC TGCCGAAGGC ACAGAATATT TCAAPATGCT TGTAAGCGTT3060  
 TTTGCTCCAG AATTTTGAAG GCCAAAGAAAT ATACATCTCC GAAATTTCTA TATAATTGTT3120  
 CCCCCTCTGA CCCTCAACTT TGTAAGCAT TCCATTAGTT GCAAGGAAAA ATTAAATAAA3180  
 AAAAATAAAA TTGGAGCTGC CTTTACTGAT GATGGCTTTG CCATGGGTGT GGCTTACATT3240  
 CTAAGGCTTT TGGATCAGTA TCGGGAGTTT GATTCACCTC ACTGGTTCCA GTCTGTTAGA3300  
 GAGAAATACC TGAAGGAGAT AAGAGCAGTT GCTAAGCAAC AGAATGTACA GTCAGCCAGT3360  
 CAAGATGAAA AACTCTTACA AACCATGAAT CTCACCTCAGA AGCGACTGGA TGCTATCTA3420  
 CAGGAATTTG AATTGCTGTA TTTCTCACTG AGCAGTGCAA GAATTTTCTT CAGAGCAGAC3480  
 AAGACTGCGG CTGAAGAAAA CCAAGAAAAG AAAGAGAAGG AAGAAGAAAC TAAACAAGC3540  
 AATGGAGACC TGTCTGACAG CACTGTGTCT GCTGATCCTG TTGTGAAATG ATACGGATGG3600  
 TATTCACCTGC ACATATGATG AAATCATCAG AATTGTTAAA ACTTTTGCCA GTGGAATGGA3660  
 TAAACTATTG ATGAATTTGT TCCTGGGTCA CATCTCTGGA AAATAGATGT TACAGTTCTT3720  
 AAAGGCAGTG CTTTAAAGTG AAGTTCATTC TGTTTTCCAA GGCTCTACTT TCAAAGGTTA3780  
 AGAATGAGAT TTTAAATTTG GATTTTGGC TGGACTTGAG GGTACAAGAT GTTTCTATTT3840  
 GAAGTGAAGT TATAAAGGG CABATCCAGA TTCATAAACT ATCACCTCGG ATTTCTTGA3900  
 ATCTACATGT TTGTAATTTG TATTTGCATA GATCTTTGAT CTATAGTTAT TTCAGTCAT3960  
 GGGAAATTC AATGCATATAC TATATACAGC CAGTAAATAC ATGCTTAACA AAAGGAATGA4020  
 GCCTGAAGTT CATAAAGAAT ACATATCAAT ATTCTTATAA AAGGAATATA TGAAGATGGC4080  
 TTTGATACTA GAGGTGAGGC ACAAGTGTCT TATGTACTCT CAGTGTACAG TATAACTGAT4140  
 GATCCTTCTT TCATTGTTAA TTTTCATGTGA CTCACAAGAG CTGCTGATGT CTTTGATGAG4200  
 ACATTTTATA ACTAGTTTAC ATTGCTTTGA GAACATTTAA CCTCCAACAG CTGCTTTAAA4260  
 TTAAGATTT ACTTAATACT CAGAAAATTC AGATAAAGCC ATAGAGTCCT GTTTGAAGCT4320  
 TCACTTCTAT TTTGGTTGAA GGCATGATGT ATGATGTCAG AAAAAAATTT GAATGAATTA4380  
 TTTCTACATC CAAACTCAGG TTTCTTCTAC ATTAGATTGA ATTGAAATTT TGGTGATGGT4440  
 TTGGGTAGAC TTTTTTTTTA TATCAAGTAT AATTTAAAAC ATCAGATTAA ATAATTACAC4500  
 TGTTCAAGCT TTTAAAAAAA TACCAGTGTG AGAATAAAGC GCTAGTAAGA TACATCACTT4560  
 ACTGATTTTA AAAATACAGA AAGATTTTGA GTAAATTTTG TGCCCAAGCA GCTGTTAGTT4620  
 TTATTTTGT AAAGGTATGT AAGTTATTAA ATGGTTAATC ATGGCCTTTT AAAAAATAAA4680  
 TAAAGTGATA CCTTTACAAT GAAGACAAAA GTTTAAAAC TTTCTAATACA AACACCATTT4740  
 TGGGAAATGC TTGATTTTTT TCTATTGCAT TTGCTGCTA AACATTTCTT TGGATAAATC4800  
 CTGCAATAC TTCTAACATT ATTCTTTGAT TCCAGCTTTT AGAATGGGTG TACAATGCCC4860  
 TGTTTGTACT TAATGGTTAG GGTCAAGGTA ACTTGCCAGC CCAAGATAAA TACTTTAATC4920  
 GTTAAAAGTC AGAAGAGACA GAATATGTAG GAAATGTTTT TTGTTTATTA TGTAAACATG4980  
 GCTTACAGAA TTATGAACAG TGGATAGATT AAAGGCATTT AATATTTGTA ATTCATAATA5040  
 ACTGTAGAAA TGGCCCTAAA GCATGCTGCA TAATTAATAA TTTATATTTT CATTATTATA5100  
 AGTGTTTATA TT 5112

Name: 3 Len: 360 Check: 1BBA  
 GGCACGAGGC ATAGGGCTCG GCGTGGTTTC ACAGGTGGTT TCTTGGGCAA GATGGGCCCA 60  
 CCTTCAAGTA TTCTGGGATC AAGTTCACGT GCTTTGAATT TGTATTGTTG CAATTTCTCG120  
 AGCTCCTCAG COTCCAGCTC TGCTGTACTT TTGCAGGTCA CAGCCCGTGC ACGGTGTTTG180  
 GTTTGCAGTA CAGGAGTCTG TGGGTCTCTG CAAATCTTGG TCACAGAAGA TTTGGAGGGT240  
 AACAGGTTAA TATCATCCTT CTTGGCTCCT CAAATGATAT CTGTTAGGGG TTCGTTTATG300  
 GAAGTCTTCA ACTTGCTGTG CAAGGTGGGC ACATNATGTA GAAACTGTTT CANCAAATGT360  
 Name: 30 Len: 477 Check: 1EA7  
 CCAGTGTCTT AGTTACATTA ATGAGAACAG AAACATAAAC TATGACCTAG GGGTTTCTGT 60  
 TGGATAGCTT GTAATTAAGA ACGGAGAAAG AACAACAAAG ACATATTTTC CAGTTTTTTT120  
 TTTCTTTTACT TAAACTCTGA AAACAACAGA AACTTTGTCT TCCTACTCTT ACATTCTAAA180  
 CCGATGAAAT CTTTAAACAGA TTACACTTTA AATATCTACT CATCATTTTC TCTCTCAGAG240  
 TCCTAGCTTG AGTTGCACTG CATGTATCNT GTGCATCTTG TTCTCTTCAT TTAATGCTGT300

196

ACTGTTCTGC TGAGCTCTGA GGGACTATCT TGAGAGATGT AATGGAAGGA AAGCGTGGTG360  
TTAATCTGCG TACTGCTTAA GACAGTANTT CCATAATCAA TGATGGGTTC ATAGAGAAAC420  
TAAGTCCTAT GAACCTGACC TCCTTTATGG CTAATACGAC TAAGCAAGAA TNGAGGG 477  
Name: 300 Len: 4834 Check: F95  
GATGTGGAGC TGGGGTCCCT GCAAGTCATG AACAAAACGA GAAAGATTAT GGAACATGGG 60  
GGGGCCACCT TCATCAATGC CTTTGTGACT ACACCCATGT GCTGCCCGTC ACGGTCCTCC 120  
ATGCTCACCG GGAAGTATGT GCACAATCAC AATGTCTACA CCAACAACGA GAACTGCTCT 180  
TCCCCCTCGT GGCAGGCCAT GCATGAGCCT CGGACTTTTG CTGTATATCT TAACAACACT 240  
GGCTACAGAA CAGCCTTTTT TGGAAAATAC CTCGAATGAAT ATAATGGCAG CTACATCCCC 300  
CCTGGGTGGC GAGAATGGCT TGGATTAAATC AAGAATTCTC GCTTCTATAA TTACACTGTT 360  
TGTCGCAATG GCATCAAGA AAAGCATGGA TTTGATTATG CAAAGGACTA CTTACAGAC 420  
TTAATCACTA ACGAGAGCAT TAATTACTTC AAAATGTCTA AGAGAATGTA TCCCCATAGG 480  
CCCGTTATGA TGGTGCATCAG CCACGCTGCG CCCACGGCC CCGAGGACTC AGCCCCACAG 540  
TTTTCTAAAC TGTACCCCAA TGCTTCCCAA CACATAACTC CTAGTTATAA CTATGCACCA 600  
AATATGGATA AACACTGGAT TATGCAGTAC ACAGGACCAA TGCTGCCCAT CCACATGGAA 660  
TTTACAAACA TTCTACAGCG CAAAAGGCTC CAGACTTTGA TGTCAAGTGA TGATTCTGTG 720  
GAGAGGCTGT ATAACATGCT CGTGGAGACG GGGGAGCTGG AGAATACTTA CATCATTTAC 780  
ACCGCCGACC ATGGTTACCA TATTGGGCAG TTTGGACTGG TCAAGGGGAA ATCCATGCCA 840  
TATGACTTTG ATATTCTGTG GCCTTTTTTT ATTCTGGTTC CAAGTGTAGA ACCAGGATCA 900  
ATAGTCCCAC AGATCGTTCT CAACATTGAC TTGGCCCCCA CGATCCTGGA TATTGCTGGG 960  
CTCGACACAC CTCCTGATGT GGACGGCAAG TCTGTCTCTA AACTTCTGGA CCCAGAAAAG1020  
CCAGGTAACA GGTTCGAAC AAACAAGAAG GCCAAAATTT GCGGTGATAC ATTCTAGTG1080  
GAAAGAGGCA AATTCTCTAG TAAGAAGGAA GAATCCAGCA AGAATATCCA ACAGTCAAT1140  
CACTTGCCCA AATATGAACG GGTCAAAGAA CTATGCCAGC AGGCCAGGTA CCAGACAGCC1200  
TGTGAACAAC CGGGGCAGAA GTGGCAATGC ATTGAGGATA CATCTGGCAA GCTTCGAATT1260  
CACAAAGTGA AAGGACCCAG TGACCTGCTC ACAGTCCGGC AGAGCACGCG GAACCTCTAC1320  
GCTCGCGGCT TCCATGACAA AGACAAAGAG TGCAGTTGTA GGGAGTCTGG TTACCGTGCC1380  
AGCAGAGGCC AAAGAAAAGAG TCAACGGCAA TTCTTGAGAA ACCAGGGGAC TCCAAAGTAC1440  
AAGCCCAGAT TTGTCCATAC TCGGCAGACA CGTTCCTTGT CCGTCGAATT TGAAGGTGAA1500  
ATATATGACA TAAATCTGGA AGAAGAAGAA GAATTGCAAG TGTTGCAACC AAGAAACATT1560  
GCTAAGCGTC ATGATGAAGG CCACAAGGGG CCAAGAGATC TCCAGGCTTC CAGTGGTGGC1620  
AACAGGGGCA GGATGCTGGC AGATAGCAGC AACGCCGTGG GCCCACCTAC CACTGTCCGA1680  
GTGACACACA AGTGTTTTAT TCTTCCCAAT GACTCTATCC ATTGTGAGAG AGAACTGTAC1740  
CAATCGGCCA GAGCGTGGA GGACCATAAG GCATACATTG ACAAAGAGAT TGAAGCTCTG1800  
CAAGATAAAA TTAAGAAATTT AAGAGAAGTG AGAGGACATC TGAAGAGAAG GAAGCCTGAG1860  
GAATGTAGCT GCAGTAAACA AAGCTATTAC AATAAAGAGA AAGGTGTAAA AAAGCAAGAG1920  
AAATTAAGA GCCATCTTCA CCCATTCAAG GAGGCTGCTC AGGAAGTAGA TAGCAAACCTG1980  
CAACTTTTCA AGGAGAACAA CCGTAGGAGG AAGAAGGAGA GGAAGGAGAA GAGACGGCAG2040  
AGGAAGGGGG AAGAGTGACG CCGTGGCTGGC CTCACTTGCT TCACGCATGA CAACAACCAC2100  
TGGCAGACAG CCCCCTTCTG GAACCTGGGA TCTTTCTGTG CTTGCACGAG TTCTAACAAAT2160  
AACACCTACT GGTGTTTGGC TACAGTTAAT GAGACGCATA ATTTTCTTTT CTGTGAGTTT2220  
GCTACTGGCT TTTTGGAGTA TTTTGATATG AATACAGATC CTTATCAGCT CACAAATACA2280  
GTGCACACGG TAGAACGAGG CATTTTGAAT CAGCTACAG TACAATAAT GGAGCTCAGA2340  
AGCTGTCAAG GATATAAGCA GTGCAACCCA AGACCTAAGA ATCTTGATGT TGGAAATAAA2400  
GATGGAGGAA GCTATGACCT ACACAGAGGA CAGTTATGGG ATGGATGGGA AGGTTAATCA2460  
GCCCCGTCTC ACTGCAGACA TCAACTGGCA AGGCCTAGAG GAGCTACACA GTGTGAATGA2520  
AAACATCTAT GAGTACAGAC AAACTACAG ACTTAGTCTG GTGGACTGGA CTAATTACTT2580  
GAAGGATTTA GATAGAGTAT TTGCACTGCT GAAGAGTCAC TATGAGCAAA ATAAAACAAA2640  
TAAGACTCAA ACTGCTCAA GTGACGGGTT CTTGGTTGTC TCTGCTGAGC ACGCTGTGTC2700  
AATGGAGATG GCTCTGCTG ACTCAGATGA AGACCAAGG CATAAGGTTG GGAAAACACC2760  
TCATTIGACC TTGCCAGCTG ACCTTCAAAC CCGCATTTG AACCGACCAA CATTAGTCC2820  
AGAGAGTAAA CTGAATGGA ATAACGACAT TCCAGAAGTT AATCATTTGA ATTCTGAACA2880  
CTGGAGAAAA ACCGAAAAAT GGACGGGGCA TGAAGAGACT AATCATCTGG AAACCGATTT2940  
CAGTGGCGAT GGCATGACAG AGCTAGAGCT CGGGCCAGC CCCAGGCTGC AGCCCATTCG3000  
CAGGCACCCG AAAGAACTTC CCCAGTATGG TGGTCTCGGA AAGGACATTT TTGAAGATCA3060  
ACTATATCTT CCTGTGCATT CCGATGGAAT TTCAGTTTCA CAGATGTTCA CCATGGCCAC3120  
CGCAGAACAC CGAAGTAATT CCAGCATAGC GGGGAAGATG TTGACCAAGG TGGAGAAGAA3180  
TCACGAAAAG GAGAAGTCAC AGCACCTAGA AGGCAGCGCC TCCTCTTCAC TCTCCTCTGA3240  
TTAGATGAAA CTGTTACCTT ACCCTAAACA CAGTATTTCT TTTTAACTTT TTTAITTGTA3300  
AACTAATAAA GGTAATCACA GCCACCAACA TTCCAAGCTA CCCTGGGTAC CTTTGTGCAG3360  
TAGAAGCTAG TGAGCATGTG AGCAAGCGGT GTGCACACGG AGACTCATCG TTATAATTTA3420  
CTATCTGCCA AGAGTAGAAA GAAAGGCTGG GGATATTTGG GTTGGCTTGG TTTTGATTTT3480  
TTGCTTGTTT GTTTGTTTTG TACTAAAACA GTATTATCTT TTGAATATCG TAGGGACATA3540

297

AGTATATACA TGTTATCCAA TCAAGATGGC TAGAATGGTG CCTTCTGAG TGTCTAAAAC3600  
TTGACACCCC TGGTAAATCT TTCAACACAC TTCACTGCC TGCCTAATGA AGTTTTGATT3660  
CATTTTTTAAAC CACTGGAATT TTTCAATGCC GTCAATTTTCA GTTAGATGAT TTTGCACTTT3720  
GAGATTAAAA TGCCATGTCT ATTTGATTAG TCTTATTTTT TTATTTTTTAC AGGCTTATCA3780  
GTCTCACTGT TGGCTGTCTAT TGTGACAAAG TCAAATAAAC CCCCCAAGGAC GACACACAGT3840  
ATGGATCACA TATTGTTTGA CATTAAGCTT TTGCCAGAAA ATGTTGCATG TGTTTTACCT3900  
CGACTTGCTA AAATCGATTA SCAGAAAGGC ATGGCTAATA ATGTTGGTGG TGAAAATAAA3960  
TAAATAAGTA AACAAAATGA AGATTGCCTG CTCTCTCTGT GCCTAGCCTC AAAGCGTTCA4020  
TCATACATCA TACCTTTAAG ATTGCTATAT TTTGGGTTAT TTTCTTGACA GGAGAAAAAG4080  
ATCTAAAGAT CTTTTATTTT CATCTTTTTT GGTTTTTCTG GCATGACTAA GAAGCTTAAA4140  
TGTTGATAAA ATATGACTAG TTTTGAATTT ACACCAAGAA CTTCTCAATA AAAGAAAATC4200  
ATGAATGCTC CACAATTTCA ACATAACCACA AGAGAAAGTTA ATTTCTTAAC ATTGTGTTCT4260  
ATGATTATTT GTAAGACCTT CACCAAGTTC TGATATCTTT TAAAGACATA GTTCAAAATT4320  
GCTTTTGAAA ATCTGTATTC TTGAAAATAT CTTGTGTGTG TATTAGGTTT TTAAATACCA4380  
GCTAAAGGAT TACCTCACTG AGTCATCAGT ACCCTCCTAT TCAGCTCCCC AAGATGATGT4440  
GTTTTTGCTT ACCCTAAGAG AGGTTTTCTT CTTATTTTTA GATAATTCAA GTGCTTAGAT4500  
AAATTATGTT TTCTTTAAGT GTTTATGGTA AACTCTTTTA AAGAAAATTT AATATGTTAT4560  
AGCTGAATCT TTTTGGTAAC TTTAAATCTT TATCATAGAC TCTGTACATA TGTTCAAATT4620  
AGCTGCTTGC CTGATGTGTG TATCATCGGT GGGATGACAG AACAAACATA TTTATGATCA4680  
TGAATAATGT GCTTTGTAAA AAGATTTCAA GTTATTAGGA AGCATACTCT GTTTTTTAAT4740  
CATGTATAAT ATTCCATGAT ACTTTTATAG AACAAATCTG GCTTCAGGAA AGTCTAGAAG4800  
CAATATTTCT TCAAATAAAA GGTGTTTAAA CTTT 4834

Name: 301

Len: 4112 Check: 13B5

CAAGGCGCCT GCGACTCGGT CCCAGGTCGG CGGGCGGGCG GCGGCGGGGT CGGCGGGGG 60  
CCCCGGCGCG CGGGGCGGCG CAGTACGCAG CGGCGGGACC CACGCCACGG CCAGGAGCCC 120  
AGAGCAGCGC GGCCACACTG CCCAGGGGTC GGCCCTCGGC CCCGGCGCTC GGAGCGCGGC 180  
GGCTGCCTGG GCTTTAATGG CTGCTCCGCG GAGCAGCGCC TAGGGCTGGA AGGCGGCTGC 240  
GGCTCAGGAA GTCACCCGAG CAAGCCTCCT TCGGGGCGGG CCGCACCCGC CGCGGCGCGC 300  
TCCATGGGGG CGCGCTCCCC CGGGGCGGCC CGCTGACCCG GGACGCGGGG GCGGCTCGC 360  
TCGCGGCGCG CGCGTCCCGG CCATGAAGTG AGCCCGCGGG CCAGCCCCGC GCGGCTCGC 420  
CCCGGCGCCT TCTTCTCGCG CCTCCTCCGC CGGCGCGCGG CGGGGCGGGC GCGGGGCGGC 480  
CTGCGGCGCG CGGGGCTCGG CGGCGCGCGG GCGGCGGGG GCGGGGCGGC GCGGGGCGGC 540  
GGCGCGCGCG TCCGGGCGCG GCGCCTGCAC CATGAAGTAC CAGCAGCAGC TGGCCAACTC 600  
GGCTGCCATC CGGGCCGAGA TCCAGCGGTT CGAGTCGGTC CACCCCAACA TCTACTCCAT 660  
CTACGAGCTG CTGGAGCGCG TGGAGGAGCC GGTGCTGCAG AACCAGATCC GGGAGCACGT 720  
CATCGCCATC GAAGATGCCT TCGTGAACAG CCAGGAATGG ACGCTGAGTC GATCTGTCCC 780  
GGAGCTCAAA GTGGGAATTG TGGGTAACTT GGCCAGCGGC AAGTCTGCCC TGGTGCACCG 840  
GTACCTGACG GGCACATATG TCCAGGAGGA GTCTCCGGAA GGTGGCAGGT TCAAGAAAGA 900  
GATTGTGCTT GATGGACAGA GCTATCTGCT GCTGATCAGA GATGAAGGGG GCGGCGGGG 960  
GGCGCAGTTT GCCATGTGGG TGGACGCTGT TATATTTGTC TTCAGCTTGG AGGATGAAAT1020  
AAGTTTCCAG ACCGTTTACC ACTACTACAG TCGAATGGCC AACTATCGGA ACACGAGCGA1080  
GATTCTCTCT GTTCTGGTGG GAACCCAGGA TGCATAAGT TCTGCTAACC CGAGGGTCA1140  
CGATGACGCC AGGGCGAGGA AGCTCTCCAA CGACCTGAAA CCGTGCACGT ACTACGAGAC1200  
GTGTGCTACA TACGGGCTGA ATGTGGAGAG GGTCTTCCAG GACGTTGCCC AGAAGATTGT1260  
TGCCACAAGG AAGAAGCAGC AGCTGTCCAT AGGACCCTGC AAGTCGCTAC CTAATTTCTCC1320  
CAGCCATTCC TCCGTCTGTT CCGCGCAGGT GTCTGCCGTG CACATCAGCC AGACAAGTAA1380  
TGGAGGTGGG AGTTTAAGCG ACTATTCTCT CTCCGTTCCA TCGACTCCCA GCATCAGCCA1440  
GAAGGAACTT CGGATCGATG TTCCTCCCAC TGCCAACACG CCCACGCCCC TTGCAAGCA1500  
GTCTAAGCGC CGGTCCAACC TGTTCACTC TCGGAAAGGG AGCGACCCAG ACAAGAGAA1560  
GAAAGGCCTG GAGAGTCGTG CGGACAGCAT TGGGAGCGGC CGAGCCATCC CAATTAAACA1620  
GGGCATGCTG TTGAAGCGAA GTGGCAAATC GTTGAATAAA GAGTGAAAAA AGAAATATGT1680  
CACCCTGTGT GACAATGGCG TGCTGACCTA TCATCCCAGT TTACATGATT ACATGCAGAA1740  
TGTTATGGT AAGGAGATTG ACCTTCTGAG AACCCTGTG AAAGTCCCAG GGAAGAGGCC1800  
ACCCGAGGCC ACGTCAGCCT GCGCACCCAT CTCCAGCCCT AAAACCAATG GCCTATCCA1860  
GGACATGAGC AGTTTACACA TCTCACCCAA TTCAGACACA GGGCTGGGTG ACTCCGTATG1920  
CTCCAGCCCC AGTATCTCCA GCACCACCAG CCCCAGGCTC GACCCGCCCC CCTCCCCTCA1980  
CGCCAACAGA AAGAAGCACC GAAGGAAGAA AAGCACTAGC AACTTCAAAG CCGACGGCCT2040  
GTCCGGCACT GCTGAAGAAC AAGAAGAAAA TTTTGAGTTT ATCATTGTGT CCTCACTGG2100  
CCAAACATGG CACTTTGAAG CCACGACGTA TGAGGAGCGG GACGCTGGG TCCAGGCCAT2160  
CGAGAGCCAG ATCCTGGCCA GCCTGCAGTC GTGCGAGAGC AGCAAGAACA AGTCCCGGCT2220  
GACGAGCCAG AGCGAGGCCA TGGCCCTGCA GTCGATCCGG AACATGCGCG GGAACCTCCA2280  
CTGTGTGGAC TGCGAGACCC AGAATCCCAA CTGGGCGAGT TTGAACITGG GAGCCCTCAT2340  
GTGCATCGAA TGCTCAGGGA TCCACCGGAA TCTTGGCACC CACCTTTCCC GAGTCCGATC2400

198

TCTGGACCTG GATGACTGGC CAATCGAGCT CATCAAGGTG ATGTCATCCA TCGGGAACGA2460  
 GCTAGCCAAAC AGCGTCTGGG AAGAGAGCAG CCAGGGGCGG ACGAAPCCAT CGGTAGACTC2520  
 CACAAGGGAA GAGAAGGAAC GGTGGATCCG TGCCAAGTAC GAGCAGAAGC TCTTCCTGGC2530  
 CCGCGTGGCC TGCACGGAGC TGTCCTTGGG CCAGCACCTG CTGCGGGCCA CCGCCGACGA2640  
 GGACCTGCGG ACGGCCATCC TGCTGCTGGC ACACGGCTCC CGGGACGAGG TGAACGAGAC2700  
 CTGCGGGGAG GGAGACGGCC GCACGGCGCT GCATCTGGCC TGCCGCAAGG GGAATGTGGT2760  
 CCTGGCGCAG CTCCTGATCT GGTACGGAGT GGACGTCACG GCGCGAGATG CCCACGGGA2820  
 CACAGCTCTG GCCTACGCCC GGCAGGCCTC CAGCCAGGAG TGCATCGACG TGCTGCTGCA2880  
 GTACGGCTGC CCGACGAGC GCTTCGTGCT CATGGCCACC CCTAACCTGT CCAGGAGAAA2940  
 CAATAACCGG AACAAACAGA GTGGGAGGGT GCGCCACCAT ATCTGAGGAA CAGCCGTGCC3000  
 CGCCTGCTCG CCGCACCTGG GACGCGGCAG CCTCGCCGCA TTCTCGCTCA GAAGTCGCAG3060  
 CACGTGAGTC CCGTCGCATC CCCTCCCTCT TCCTGGTGGC CACCTCCCTC CCGCCACCCC3120  
 ACTCTACCCC CAAACAAAAT CACAAAACCT GGACATCCCT CAAGGGGCGA AGAGGCGGCC3180  
 GGGAGACTGC AGAAGTGGCT CCTTTTCATA AACTCCCTTA AACCACACAC AGGAGAGAGC3240  
 GACGGGCCTC GGCCCTTTGA TGATAGCACA TGGCGCAGGA CCCTTGCTCT GGTGGCACA3300  
 GGGATGGGGA CCGGAGGGGG AGGGGAGGCG AGGAACAAGG AGAAGGGGCA ACTTTCCTTA3360  
 ACTGGCAGTT GAGCACATAG TACATTTCCC CTCTACCAA CGGAACACTT GGATTCCATC3420  
 TCTTCTCTGA GGAGCTCGAC GGCATAAATC AGAAGCAAAG ACAGAGTTTG TCAGGTTTGA3480  
 AGCCCCATG ATGGTGTGTG TCAAATCAGT TGTAAGTAAT CTGTCCAGGG AGAATACTGG3540  
 CTTTCATTACA CTGTACAGC CGAGTTCTTC CCGCATTACT GCTGTTTAAAT AGAAGCTGAT3600  
 TAGTCATCGC CGAGAAGAAA GCATATTAGC CGAGGAGGTA GTCACGCGGC ACGCGCCGGT3660  
 GATTGCCACG ATGTGATTGC AATACTCTTA GAAGCACCAT ATTATCCCAG ACATGTTCTT3720  
 TCAAGCCCTT GGAGCCCTCT CTAAATTCAC TGTCATCATT TAGTATCTGT TTAATTTTC3780  
 AGTCCAAAGA GAGGAAATCA GTCGCTGAGT ATTATTTGAC TCCGGTCTCC TTGGTGCAA3840  
 AACAAAATGG GAAAAATAA TAAGAATAAC TCAGAAACTC AAAAGGAAAC CACAAATTC3900  
 GCTAATAATA GCATTTGAG TATATTTCTG AAACCTAAGGA AATACACAAA AGGCTGTTTT3960  
 TTTCCGACTG TAAGAGATAT TTGATGTCTT FTTGCCGAGG TGGATGTGTT AGTCTCAGGC4020  
 CCTCCTGGAC CACGTTGCCC AAGTCACACA GGCTTCTGTG TTATGTATTT AGATAAGATG4080  
 TGTGAAAATA TATTTGAATA AAAGAAGTTC AT 4112

Name: 302 Len: 1096 Check: 238D  
 GGGGGAGCAC TAGCAGCAGC CGGAGTCGGC GGAAAGCACC CGGGCGCAGC CGGAGCCGGT 60  
 GCCGCGAGCTG CGATGGCCGT GGCCGTGGGG AGACCGTCTA ATGAAGAGCT TCGAAACTTG 120  
 TCTTTGTCTG GCCATGTGGG ATTIGACAGC CTCCCTGACC AGCTGGTCAA CAAGTCTACT 180  
 TCTCAAGGAT TCTGTTTCAA CATCCTTTGT GTTGGTGAGA CAGGCATTGG CAAATCCACG 240  
 TTAATGGACA CTTTGTTCOA CACCAAATTT GAAAGTGACC CAGCTACTCA CAATGAACCA 300  
 GGTGTTCCGT TAAAAGCCAG AAGTTATGAG CTTCAGGAAA GCAATGTACG GCTGAAGTTA 360  
 ACCATTGTTG ACACCGTGGG ATTTGGAGAC CAGATAAATA AAGATGACAG CTATAAGCCG 420  
 ATAGTAGAAT ATATTGATGC CCAGTTCGAG GCCTACCTGC AAGAGGAATT GAAGATTAAT 480  
 CGTTCTCTCT TCAACCACCA TGACACGAGG ATCCATGCCT GCCTCTACTT TATTGCCCT 540  
 ACTGGACATT CACTAAAGTC CCTGGATCTG GTCACCATGA AAAAGCTGGA CAGTAAGGTG 600  
 AACATCATTC CAATAATTGC AAAAGCTGAC ACCATTGCCA AGAATGAAT GCACAAATTC 660  
 AAGAGTAAGA TCATGAGTGA ACTGGTCAGC AATGGGGTCC AGATATATCA GTTTCCCACT 720  
 GATGAAGAAA CCGTGGCAGA GATTAACGCA ACAATGAGTG TCCATCTCCC ATTTGCAGTG 780  
 GTTGGCAGCA CCGAAGAGGT GAAGATTGGC AACAAGATGG CAAAGGCCAG GCAGTACCCC 840  
 TGGGGTGTGG TGCAGGTTGA GAATGAAAAT CATTGCGATT TTGTGAAACT TCGAGAGATG 900  
 CTGATCCGCG TGAACATGGA GGAATTGCGA GAGCAGACTC ACACCCGCCA CTATGAATTG 960  
 TACCACGCTG TAAGCTTGAA GAGATGGGGT TCAAGGACAC TGACCCTGAC AGCAAACCTT1020  
 TCAGTCTTCA GGGGACATAT GAAGCAAAAA GGAATGAATT CCTGGGAGAA CTGCAGAAAA1080  
 AAAAAAAAAA AAAAAA 1096

Name: 303 Len: 4373 Check: 16D0  
 GAAGCGAATG TGATTCTTCC CCAGAACCGA AAGCTTTGCC TCAGACTCCT AGGCCGAGGA 60  
 GTCGTTCTCC ATCATCCCCA GAGCTCAACA ACAAGTGTCT TACCCCCCAG AGAGAAAGAA 120  
 GCGGGTCAGA ATCATCAGTT GATCAGAAAA CTGTGGCTCG GACTCCCCCTG GGGCAGAGAA 180  
 GTCGTTCCGG ATCCTCTCAA GAACCTGATG TGAAACCCAG TGCAATCCCC CAGGAAAGAA 240  
 GTGAGTCAGA CTCTTCTCCA GATTCTAAAG CCAAGACACG AACCCCACTT CGGCAGAGGA 300  
 GTCGGTCTGG ATCATCTCCA GAGGTTGACA GCAAATCTCG ACTATCCCCCT CGGCGCAGTA 360  
 GGTCTGGTTC CTCCCTGAA GTGAAAGATA AGCCAAGAGC AGCACCAGG GCACAGAGTG 420  
 GTTCTGATT CTCTCTGAA CCTAAAGCTC CAGCCCCCTG GGCCCTTCCC AGACGAAGCA 480  
 GATCAGGTT ATCAAGCAAA GGCAGAGGCC CTTCTCTGA AGGAAGCAGC AGTACCGAGT 540  
 CCTCTCCTGA ACATCCGCCC AAATCCAGAA CTGCTCGCAG AGGTTCCAGG TCATCACCAG 600  
 AGCCCAAGAC CAAGTCTCGT ACACCACCTC GACGTGCGAG CTCTCGATCA TCTCCGGAGC 660  
 TAACAAGGAA GGCCAGACTG TCCCGTAGAA GCGCTCTGCT CTCATCCTCA CCAGAAACTC 720  
 GCTCTAGAAC TCCCCAAGG CACCGGAGAA GTCCCTCAGT GTCTTCCCCG GAGCCAGCCG 780

199

```

AAAAATCGAG GTCTTCACGC CGACGGCGCT CAGCTTCATC TCCACGCACT AAGACAACCT 840
CAAGGAGAGG CCGCTCTCCT TCGCCAAAGC CTCGTGGACT CCAGAGGTCC CGTTCCCGCT 900
CAAGGAGAGA GAAAACAAGA ACAACCCGAC GTCGAGATAG GTCTGGATCT TCTCAGTCAA 960
CCTCTCGGCG AAGACAGCGG AGCCGGTCAA GGTGCGGGT TACTCGGCGG CGGAGGGGAG1020
GCTCTGGTTA TCACTCAAGG TCACCTGCCC GGCAGGAAAG TTCCCGGACC TCCTCTCGAC1080
GCCGAAGAGG CCGCTCTCGG ACACCCCCAA CCAGTCGGAA GCGTTCTCGC TCACGCACAT1140
CACCAGCCCC GTGGAAACGC TCTAGATCTC GAGCCTCTCC AGCCACTCAC CGGCGATCCA1200
GGTCCAGAAC CCCCCTGATA AGCCGACGTA GGTCCAGATC TCGAACTTCA CCASTCAGCC1260
GGAGACGGTC AAGGTCCAGG ACTTCAGTGA CTCGACGAAG ATCCCGGTCA AGAGCATCCC1320
CAGTGAGCAG AAGGCGATCC AGATCCAGAA CGCCACCAGT AACCOCGCCG CGTTCAAGGT1380
CTAGAACGCC AACAAACACG AGCCGCTCCC GTTCTAGAAC TCCACCAGTG ACTCGCAGAA1440
GGTCCAGATC CAGGACTCCA CCAGTAACCA GGAGGCGATC TCGAAGCAGA ACTTCGCTA1500
TCACTCGCAG AAGATCAAGA TCCAGAACAT CTCGGGTCAC CCGAAGGAGA TCTCGATCTC1560
GCACATCTCC AGTAACTCGA AGAAGGTCCC GCTCTCGAAC CTCACCAGTG ACACGCCGCC1620
GCTCTAGGTC CCGACACCT CCAGCTATTC GGCSCCGCTC TAGATCTCGA ACGCCACTGT1680
TACCACGCAA ACGTTCTCGA AGTCGCTCAC CACTTGCTAT CCGCCGCGCG TCCAGATCCC1740
GTACTCCACG AACAGCTCGG GGTAAACGGT CCTTAACAAG ATCTCCTCCA GCCATCCGCA1800
GGCGTTCTGC ATCTGGAAGT AGTTCTGATC GTTCACGATC TGCTACTCCT CCAGCAACAA1860
GAAATCATTG TGGTTCACGG ACACCTCCAG TAGCACTCAA CAGTTCAGA ATGAGCTGCT1920
TCAGTCTGTC TAGCATGTCC CCAACACCTC TTGATCGCTG CAGATCACCT GGAATGCTTG1980
AACCCCTTGG CAGCTCTAGA ACACCCATGT CTGTCTGCA GCAAGCCGGC GGCTCCATGA2040
TGGATGGTCC AGGTCCCCGA ATACCTGACC ACCAGAGAAC ATCTGTGCCA GAAAATCATG2100
CTCAGTCCAG GATTGCACIT GGCCTGACAG CTATCAGTCT TGGCACCCTG CGGCCTCCTC2160
CGTCCATGTC TGCTGCTGGC CTTGCTGCAA GAATGTCCCA GGTTCAGCC CCGGTGCCTC2220
TCATGAGTCT CAGAACCSCA CCAGCAGCCA ACCTTGCCAG CAGGATTCTT GCAGCCTCTG2280
CGGCAGCCAT GAACCTAGCC AGCGCCAGGA ACCTGCCAT TCCAACAGCA GTGAACCTGG2340
CTGACTCTCG AACGCCAGCT GCAGCAGCGG CCATGAACCT GGCCAGCCCC AGAACAGCGG2400
TGGCACCTTC GGCTGTGAAC CTGGCTGACC CTCGCACTCC CACAGCCCCA GCTGTGAACC2460
TAGCAGGGGG CAGAACCCCCA GCTGCCTTGG CAGCTCTGAG TCTCACAGGC TCTGGCACAC2520
CACCACCTGC TGCAAACTAT CCCTCCAGCT CCAGAACACC ACAGGCTCCA GCCTCTGCAA2580
ACCTGGTGGG TCCTCGGTCT GCACATGCCA CAGCTCCTGT GAATATTGCC GGCTCCAGAA2640
CCGCCGCGAG CTTGGCCCCC GCGAGCCTCA CCAGTGCTAG GATGGCTCCA GCATTGTCTG2700
GTSCAAACCT CACCAGCCCC AGGGTGCCCC TTCTTGCTTA CGAGCCTGTC AGTGCGCAGAA2760
CCTCACCACC GCTCCTTGAC CGAGCTAGGT CCAGAACACC ACCGTCTGCC CCAAGCCAAT2820
CTAGGATGAC CTCTGAACGG GCTCCCTCCC CTCTCCTAG AATGGGCCAG GCTCCTTAC2880
AGTCTCTTCT CCCTCCAGCA CAGGATCAGC CGAGGTCTCC TGTGCCTTCT GCTTTTTTAC2940
ACCAATCCCG TTGTTTGATT GCCCAGACCA CCCCTGTAGC AGGGTCTCAG TCCCTTTTCT3000
CTGGGGCAGT GGCAACGACC ACCTCCTCTG CTGGTGATCA CAATGGCATG CTCTCTGTCC3060
CTGCCCTTGG GGTGCCCCAC TCTGATGTGG GGGAGCCACC TGCCCTCTACT GGGGCCCCAG3120
AGCCTTCTGC ATTAGCCGCC CTGCAGCCAG CAAAGGAGCG GCGGAGTTCC TCCTCGTCGT3180
CGTCGTCCIC TAGCTCTCC TCCTCTTCTA CATCGTCGTC GTCGTCTCTC TCCTCCTCTG3240
GCTCCAGTTC TAGTGACTCA GAGGGCTCTA GCCTTCTGT GCAACCTGAG GTGGCACTGA3300
AGAGGGTCCC CAGCCCCACC CCAGCCCCAA AGGAGGCTGT TCGAGAGGGA CGTCTCTCGG3360
AGCCAACCCC AGCCAAACGG AAGAGGCGCT CTAGCAGTTC CAGTTCAGC TCCTCCTCTT3420
CATCTTCTCT CTCCTCCTCC TCCTCCTCTT CTCTCTCTCT CTCTTCTCTT3480
CCTCCTCATC TTCCTCCTCC TCGTCGTCTT CCTCCCTTTC CCCTGCTAAG CCTGGCCCCC3540
AGGCCTTGCC CAAACCTGCA AGCCCCAAGA AGCCACCCCC TGGCGAGCGG AGGTCCCCGA3600
GCCCCCGGAA GCCAATAGAC TCCCTCAGGG ACTCTCGGTC CCTCAGCTAC TCGCCTGTGG3660
AGCGTCGCGG TCCCTCGCCC CAGCCCTCAC CACGGGACCA GCAGAGCAGC AGCAGTGAGC3720
GGGGTTCCCG GAGAGGCCAG CGTGGGGACA CGCGCTCCCC CAGCCACAAG CGCAGGAGGG3780
AGACACCTAG CCCTCGGCCC ATGAGACACC GCTCCTCCAG GTCTCCATAA ATTGTCTTTG3840
GGGGATTCCA CCACACCCAA TGCTCTGGAG CCACAAGGAG TGTCCCTTCT TCCCCAGCAG3900
AGCCGTGGGA GGGTCTTTGT CTGCTCTCCT TTGAACCTTG GCAGCCCTTG GATGGAGGGC3960
TCCCTTTCCC TCCCCTTTTT TTTTCTTTG TTCCTGTGAA ATGTTAATCT CCGTGAGTTC4020
TTCCTGGTTC ATGTCTTCTG GGGGGTTTGG GGTGGGAGGG AATGCAGATG GGAGTTGGGG4080
GAGGGGAGGA TACAGTTTCA GATACCCAG CCTGGASTCA GGGCCAGGGA GGCATGGCCC4140
CACTTGATC CAGAAGTTCC CAGGGGTGAT TGTGATGGT GTTGGGACTG GAGGTTGTAT4200
AAGGTGTTCT TGAAGGAAG GGGCAGGAGT TGGGAATTAG TGGTCCCTAC TGTCCCCCAT4260
GAGGTTGTGA ACCCCTCCCC CCAACTTTTC ATGTTTCTTA AAGGCATTTT GGTTTTTTAA4320
AATCTGTACA GCAAGAGCAA CTTTTTCTGT CAAATAAAAA TGAGAAATGC AGG 4373

```

Name: 304 Len: 9027 Check: 18E4  
 GCGGCCAGG CGGGGTGCGA GTGGCGCAGT CGGAGCCCGT TCGGGCCCCCT GAGGAAGCGA 60  
 GGAGGCGCTG GCSTCGGCTG AGGCGGGCGG ACCGGCGAGG CGAGGCGGCG GCCCCAGGCC 120



200

CGAGGGACTC GGGAGCTCGA GCAGCGGCGG CGGCAAGACC TCTCCCCCTC GGAGGCGGCG 180  
GGCGGAGGCG GCGGGAGCGG TGGTGCCCCC CCGGGGCACG GGGCCATGTA CAACGGGATC 240  
GGGCTGCCGA CGCCCCGSGG CAGCGGCACC AACGGCTACG TCCAGCGCAA COTGTCCCTG 300  
GTGCGGGGGC GCGGGGGTGA GCGGCTGAC TACAAGGGAG AGGAGGAACT GCGGCGCCTG 360  
GAGGCTGCCC TGGTGAAGCG GCCTAATCCT GACATCCTGG ACCACGAGCG CAAGCGGCGC 420  
GTGAGCTGC GATGCCCTCGA GCTGGAGGAG ATGATGGAAG AGCAGGGGTA CGAGGAACAG 480  
CAAATTCAGG AAAAAGTGGC GACCTTTTCA CTCATGTTGC TGGAGAAGGA TGTGAACCT 540  
GGGGGCAAGG AGGAGACCCC AGGGCAGAGG CCAGCGGTCA CGGAGACTCA CCAGTTGGCA 600  
GAATTAATG AGAAGAAGAA TGAAAGACTC CGTGTGCGCT TTGGCATCAG TGATTCTTAC 660  
GTAGATGGCA GCTCTTTTGA TCCTCAGCGT CGTGCCCCGAG AAGCTAAACA ACCAGTCTCT 720  
GAGCCTCCCA AACCTTACAG CCTTGTTCGG GAGTCTAGCA GTTCTCGCTC ACCAACCCCA 780  
AAGCAGAAGA AGAAGAAAAA GAAGAAAGAT AGAGGACGCA GGTGAGAGAG CAGCTCTCCT 840  
CGACGGGAGA GAAAGAAAAG CTCAAAGAAG AAGAAGCACA GGTGAGAATC TGAGTCCAAG 900  
AAACGTAAAG ATAGGTCTCC CACTCCAAAG AGCAAACSTA AATCTAAGGA CAAAAGCGA 960  
AAGCGGTCTC GAAGTACAAC ACCAGCCCCC AAGAGCCGCC GGGCCCCACC TTCAACTTCT 1020  
GCTGACTCTG CTTCTCTCTC CGATACTTCC CGCAGTCCGT CTCGAAGTGC TGCAGCTAA 1080  
ACTCATACAA CTGCTTGGC TGGGCGAAGT CCTTCCCTG CTTGAGGGC ACAGGGGAG 1140  
GGAGATGCGC CTTTCAGTGA ACCAGGTACT ACCAGCACAC AACGGCCTAG TAGCCCGGAG 1200  
ACTGCTACGA AACAGCCTAG CAGCCCTTAT GAAGACAAAG ATAAAGACAA GAAGGAGAAA 1260  
TCTGCAACTC GACCTAGCCC CTCTCCGGAA AGGAGCAGCA CAGGCCAGA ACCACCTGCT 1320  
CCCCTCCGCG TCCTTGCTGA GCGACATGGC GGCTCCCCAC AACCCCTTGC AACCAACCC 1380  
TTAAGCCAGG AGCCAGTGAA CCCCCATCT GAGGCCTCTC CAACTCGGGA CCGTTCACCA 1440  
CCTAAGTCTC CCGAGAACT TCCCCAGTCT TCTTCTCAG AGAGCAGCCC ACCATCCCCT 1500  
CAACCTACCA AAGTTTCTCG GCATGCCAGC TCTTCCCCAG AAAGTCTTAA ACCTGCTCCA 1560  
GCTCCAGGGT CCCACCGAGA GATTTCTTCT TCTCCACAT CTAAGAATCG CTCACATGGC 1620  
CGAGCAAAAC GGGATAAATC ACATTCTCAT ACCCCCTCCC GTAGGATGGG GAGGTCCCGT 1680  
AGCCCTGCCA CCGCTAAGAG AGGGCGATCT CCGGTCTGAA CCCCTACCAA GAGAGGTCT 1740  
TCTCGATCCC GATCTCCCCA GTGGCGTAGG TCCAGGTCTG CACAGAGGTG GGGAGATCT 1800  
AGAAGCCCCC AGCGACGTGG CCGCTCTAGG TCTCCTCAGC GACCAGGCTG GTCTAGGAGC 1860  
AGAAATACCC AGAGAAGAGG CAGGTCTAGG TCAGCAAGGC GAGGGAGGTC CCACTCTAGA 1920  
TCCCCAGCCA CTAGGGGTAG ATCTCGTTCT AGAACACCAG CCCGCCGGG CAGGTCCCGC 1980  
TCTAGAACAC CTGCCAGGCG GAGATCACGA TCCAGAATC CCACCAGGCG TAGGTCTCGG 2040  
TCTAGAACAC CAGCCCGGAG GGGCAGGTCT CCGTCTAGAA CACCTGCTAG CCGCAGATCT 2100  
AGGACCCGAT CACCAGTACG ACGCAGGTCT CGTAGTAGAT CACCAGCCAG GAGAAGTGGC 2160  
AGGTCAAGCT CTAGAACCCC AGCTAGACGT GGGCGCTCAC GCTCCAGAAC CCCAGCCAGA 2220  
CGTGCCCGCT CACGCTCTAG AACCCAGCT AGACGCAGTG GTGCTCACG CTCCAGAAC 2280  
CCAGCCAGGA GAGGGAGGTC TCGGTCTAGG ACACCAAGAC GAGGAAGATC CCGCAGTAGA 2340  
AGCTTAGTTA GACGTGGAAG ATCTCACTCT AGAACACCTC AAAGAAGAGG CAGATCTGGC 2400  
TCATCTTCAG AGCGGAAAAA CAAATCCAGA ACATCTCAA GAAGAAGCAG GTCCAATTCA 2460  
AGCCAGAAA TGAAGAAATC TCGCATTTCT TCAAGGCGGA GCAGGTCTCT CTCTTCACCA 2520  
CGGTCCAAAG CAAATCTCG CTTGTCTTTG AGGCGCAGCC TTTCAGGGTC TTCCCCATGC 2580  
CCTAAGCAA AGTCACAGAC ACCACCCAGG CGCAGTCGCT CTGGATCCTC CCAACCTAAA 2640  
GCTAAATCTA GAACGCCACC CAGACGCGAT CGCTCCAGTT CTTCTCCGCC ACCTAAACAG 2700  
AAATCTAAGA CACCATCAAG ACAAGTCAAT TCCAGTTCAT CTCCTCATCC TAAAGTGA 2760  
TCTGGAACAC CACCGAGGCA AGGGTCCATA ACAAGTCCCC AGGCCAATGA GCAATCTGTA 2820  
ACGCCACAGA GACGGAGCTG TTTGAATCA TCACCTGACC CTGAGTTGAA ATCTAGGACC 2880  
CCTTCTAGAC ATAGCTGCTC AGGGTCCCTCT CCTCCTAGAG TGAATCTAG CACACCTCCC 2940  
AGACAGAGCC CATCTAGGTC ATCATCTCCA CAACCCAAAG TGAAGGCAAT AATATCACA 3000  
AGACAAAGAA GCCATTCTGG CTCCTCTTCT CCAAGTCCCTA GTAGGGTGAC GTCGAGAACA 3060  
ACTCCACGGC GAAGCAGATC AGTATCTCCC TGCTCCAATG TGGAATCCAG ATTGTTGCCA 3120  
AGATACAGTC ATTCTGGGTC CTCCTACCA GATACCAAAG TGAAACCTGA AACACCGCCA 3180  
AGACAAAGTC ACTCAGGGTC TATTTACCA TACCCCAAAG TAAAGGCCCA AACTCCACCG 3240  
GGGCCAAGTC TTTCTGGATC AAAGTACCA TGTCCCCAAG AGAAGTCTAA AGACTCACA 3300  
GTTCAAAGTT GCCCTGGATC CCTCTCTCTC TGTGCAGGAG TAAAATCTAG CACACCACCA 3360  
GGCGAGAGCT ATTTTGGTGT CTCATCTCTG CAACTGAAAG GACAATCTCA AACTTCACCA 3420  
GACCACAGAT CTGATACTTC AAGTCCAGAA GTGAGACAGA GTCATTGAGA ATCACCATCT 3480  
CTGCAGAGCA AATCTCAAC ATCACCTAAG GGAGGTCCGT CCAGGTCTTC ATCTCCAGTC 3540  
ACTGAGCTGG CATCCAGATC TCCAATAAGA CAAGATAGAG GTGAGTTCTC AGCGAGTCC 3600  
ATGTTGAAAT CTGGAATGTC TCCTGAGCAG AGCAGGTTCC AGTCTGACTC TTCTTCATAT 3660  
CCTACAGTGG ACTCGAATTC TCTCTGGGG CAGAGTAGAT TGGAGACTGC TGAATCAAAA 3720  
GAGAAAATGG CCTTACCCCC TCAGGAGGAT GCTACTGCAT CACCTCCTAG ACAGAAAGAC 3780  
AAATTTAGTC CCTTCCAGT ACAGGATAGG CCTGAGTCTT CACTGGTATT CAAAGACACA 3840  
CTTAGAACCC CGCCAAGAGA AAGAAGTGGT GCTGGGTCTT CTCCAGAAAC AAAAGAGCAA 3900



201

AATAGTGCAT TGCCTACGTC AAGCCAAAGAT GAAGAGTTAA TGGAGGTGGT AGAGAAAGTCT3960  
GAAGAACCCG CAGGCCAAAT CCTGTCTCAT TTGTCTTCAG AACTTAAAGA AATGTCCACA4020  
AGTAACTTTG PATCATCTCC TGAAGTAGAA GAAAGGCCCTG CTGTGTCTTT GACTCTTGAT4080  
CAGAGCCAGT CACAGGCTTC TTTGGAAGCA GTAGAAGTCC CTTCATATGGC CTCATCTTGG4140  
GGTGGGCCAC ATTTTCTCC AGAACATAAA GAACTGTCTA ACTCCCCACT CAGGGAGAAC4200  
AGCTTTGGAT CACCTTTAGA ATTTAGAAAC TCAGGCCAC TTGGTACAGA AATGAATACT4260  
GGATTTTCTT CTGAGGTAA AGAAGATTG AATGGACCGT TTCTTAATCA GCTGGAAACA4320  
GATCCATCTC TAGACATGAA AGAACATCG ACAAGATCCT CTGGACACAG CAGTTCTGAG4380  
TTATCCCCAG ATGCAGTGA AAAGGCAGG ATGTCTTCAA ATCAGAGCAT CTCTTCACT4440  
GTGCTTGATG CTGTACCCAG AACACCCTCG AGAGAAAGAA GTAGTTCTGC ATCTTCTCCT4500  
GAAATGAAAG ATGGTTTACC CAGAACTCCA TCAAGGAGAA GCAGGTCTGG GTCTTCTCCA4560  
GGACTTAGAG ATGGGTCTGG GACTCCCTCG AGGCACAGCC TGTCTGGGTC CTCTCCTGGA4620  
ATGAAAGATA TACCTAGAAC GCCATTTAGA GGGAGAAGCG AATGTGATTC TTCCCCAGAA4680  
CCGAAAGCTT TGCCTCAGAC TCCTAGGCCG AGGAGTCGTT CTCCATCATC CCCAGAGCTC4740  
AACAAACAAGT GTCTTACCCC CCAGAGAGAA AGAAGCGGGT CAGAATCATC AGTTGATCAG4800  
AAAAGTGTGG CTGCGACTCC CCTGGGGCAG AGAAGTCGTT CGGGATCCTC TCAAGAACTT4860  
GATGTGAAC CCAGTGCATC CCCTCAGGAA AGAAGTGAGT CAGACTCTTC TCCAGATTCT4920  
AAAGCCAAAG CACGAACCCC ACTTCGGCAG AGGAGTCGGT CTGGATCATC TCCAGAGGTT4980  
GACAGCAAT CTCGACTATC CCTCGGGCGC AGTAGGTCTG GTTCCTCCCC TGAAGTGAAA5040  
GATAAGCCAA GAGCAGCAC CAGGGCACAG AGTGGTTCTG ATTCCTCTCC TGAACCTAAA5100  
GCTCCAGCCC CTCGGGCCCT TCCCAGACGA AGCAGATCAG GTTCATCAAG CAAAGGCAGA5160  
GGCCCTTCTC CTGAAGGAAG CAGCAGTACC GAGTCCTCTC CTGAACATCC GCCCAAATCC5220  
AGAACTGCTC GCAGAGGTTT CAGGTCTCA CCAGAGCCCA AGACCAAGTC TCGTACACCA5280  
CCTCGACGTC GCAGCTCTCG ATCATCTCCG GAGCTAACAA GGAAGGCCAG ACTGTCCCGT5340  
AGAAGCCGCT CTGCCTCATC CTCACCAGAA ACTCGCTCTA GAACTCCCCC AAGGCACCGG5400  
AGAAGTCCCT CAGTGTCTTC CCCGGAGCCA GCCGAAAAAT CGAGGTCTTC ACGCCGACGG5460  
CGCTCAGCTT CATCTCCACG CACTAAGACA ACCTCAAGGA GAGGCCGCTC TCCTTCGCCA5520  
AAGCCTCGTG GACTCCAGAG GTCCCGTTCC CGCTCAAGGA GAGAGAAAAC AAGAACAACC5580  
CGACGTGAG ATAGGTCTGG ATCTTCTCAG TCAACCTCTC GCGGAAGACA GCGGAGCCGG5640  
TCPAGGTCTG GGGTTACTCG GCGGCGGAGG GGAGGCTCTG GTTATCACTC AAGGTCACT5700  
GCCCGGCAGG AAGTTCCCG GACCTCTCTT CGACGCCGAA GAGGCCGCTC TCGGACACCC5760  
CCAACCACTC GGAAGGTTTC TCGCTCACGC ACATCACCAG CCCCGTGGAA ACGCTCTAGA5820  
TCTCGAGCCT CTCCAGCCAC TCACCGGCGA TCCAGGTCCA GAACCCCTCT GATAAGCCGA5880  
CGTAGGTCCA GATCTCGAAC TTCACCACTC AGCCGGAGAC GGTCAAGGTC CAGGACTTCA5940  
GTGACTCGAC GAAGATCCCG GTCAAGAGCA TCCCCAGTGA GCAGAAGGCG ATCCAGATCC6000  
AGAACGCCAC CAGTAACCCG CCGTCTGTTA AGGTCTAGAA CGCCAACAAC ACGCCGCCCG6060  
TCCCGTTCTA GAACTCCACC AGTGACTCGC AGAAGGTCCA GATCCAGGAC TCCACCAGTA6120  
ACCAGGAGGC GATCTCGAAG CAGAACTTCG CCTATCACTC GCAGAAGATC AAGATCCAGA6180  
ACATCTCCGG TCACCCGAAG GAGATCTCGA TCTCGCACAT CTCCAGTAAC TCGAAGAAGG6240  
TCCCGCTCTC GAACCTCACC AGTGACACGC CGCCGCTCTA GGTCCCGGAC ACCTCCAGCT6300  
ATTCCGCGOC GCTCTAGATC TCGAACGCCA CTGTTACCAC GCAAACGTTT TCGAAGTCGC6360  
TCACCACTTG CTATCCGCGG CCGCTCCAGA TCCCGTACTC CACGAACAGC TCGGGGTAAA6420  
CGGTCTTAA CAAGATCTCC TCCAGCCATC CGCAGGCGTT CTGCATCTGG AAGTAGTTCT6480  
GATCGTTTAC GATCTGCTAC TCCTCCAGCA ACPAGAAATC ATTCTGGTTC ACGGACACCT6540  
CCAGTAGCAC TCAACAGTTC CAGAATGAGC TGCTTCAGTC GTCCTAGCAT GTCCCCAACA6600  
CCTCTTGATC GCTGCAGATC ACCTGGAATG CTTGAACCCC TTGGCAGCTC TAGAACACCC6660  
ATGTCTGTCC TGCAGCAAGC CGGCGGCTCC ATGATGGATG GTCCAGGTCC CCGAATACCT6720  
GACCACCAGA GAACATCTGT GCCAGAAAAT CATGCTCAGT CCAGGATTGC ACTTGCCCTG6780  
ACAGCTATCA GTCTTGGCAC CGCTCGGCCT CCTCTCATGA GTCTCAGAAC CGCACAGCA6900  
GCAAGAATGT CCCAGGTTCC AGCCCCGGTG CCTCTCATGA CCATGAACCT AGCCAGCGCC6960  
GCCAACCTTG CCAGCAGGAT TCCTGCAGCC TCTGCGGCAG CCGGCTGACT CTCGAACGCC AGCTGCAGCA7020  
AGGACACCTG CCATTCCAAC AGCAGTGAAC CTGGCTGACT CTTCGGCTGT GAACCTGGCT7080  
GCGGCCATGA ACTTGGCCAG CCCCAGAAC GCGGTGGCAC GGGCCAGAAC CCCAGCTGCC7140  
GACCCTCGCA CTCCACAGC CCCAGCTGTG AACCTAGCAG GGGCCAGAAC CTATCCCTCC7200  
TTGGCAGCTC TGAGTCTCAC AGGCTCTGGC ACACACCAA CTGCTGCAA GTCTGCACAT7260  
AGCTCCAGAA CACCACAGGC TCCAGCCTCT GCAAACCTGG TGGGTCTCG GTCTGCACAT7320  
GCCACAGCTC CTGTGAATAT TGCCGGCTCC AGAACCCCGC CAGCCTTGGC CCCCAGGAGT7380  
CTCACCAGTG CTAGGATGGC TCCAGCATTC TCTGGTGCAA ACCTCACCAG CCCCAGGCT7440  
CCCCCTTCTG CCTACGAGCG TGTCAGTGGC AGAACCTCAC CACCGCTCCT TGACCGAGCT7500  
AGGTCCAGAA CACCACGTC TGCCCCAAGC CAATCTAGGA TGACCTCTGA ACGGGCTCCC7560  
TCCCTTCTCT CTAGAATGGG CCAGGCTCCT TCACAGTCTC TTCTCCCTCC AGCACAGGAT7620  
CAGCCGAGGT CTCCTGTGCC TTCTGCTTTT TCAGACCAAT CCCGTGTTT GATTGCCAG7620  
ACCACCCCTG TAGCAGGGTC TCAGTCCCTT TCCTCTGGGG CAGTGGCAAC GACCACGTC7630

202

TCTGCTGGTG ATCACAATGG CATGCTCTCT GTCCCTGCCC CTGGGGTGCC CCACTCTGAT7740  
 GTGGGGGAGC CACCTGCOCT TACTGGGGCC CAGCAGCCTT CTGCATTAGC CGCCCTGCAG7800  
 CCAGCAGAGG AGCGGCGGAG TTCCTCCTCG TCGTCGTCTG CCTCTAGCTC CTCCTCCTCT7860  
 TCATCATCGT CGTCGTCTGC CTCCTCCTCC TCTGGCTCCA GTTCTAGTGA CTCAGAGGGC7920  
 TCTAGCCTTC CTGTGCAACC TGAGGTGGCA CTGAAGAGGG TCCCCAGCCC CACCCAGCC7980  
 CCAAAGGAGG CTGTTGAGGA GGGACGTCTT CCGGAGCZAA CCCCAGCCAA ACAGGAAGAGG8040  
 CGCTCTAGCA GTTCCAGTTC CAGCTCCTCC TCTTCATCTT CCTCCTCCTC CTCCTCCTCC8100  
 TCTTCTTCTT CCTCCTCTTC CTCTTCTTCT TCTTCTCCT CATCTTCCTC CTCCTCGTC8160  
 TCTTCTTCCC CTTCCCTTGC TAAGCCTGGC COTCAGGCCT TGCCCCAACC TGCAAGCCCC8220  
 AAGAAGCCAC CCCCTGGCGA GCGGAGGTCC CGCAGCCCCC GGAAGCCAAT AGACTCCCTC8280  
 AGGGACTCTC GGTCCCTCAG CTACTCGCCT GTGGAGCGTC GCGTTCCTC GCCCCAGCCC8340  
 TCACCACGGG ACCAGCAGAG CAGCAGCAGT GAGCGGGTT CCCGAGAGG CCAGCGTGGG8400  
 GACAGCCGCT CCCCCAGCCA CAAGCGCAGG AGGGAGACAC CTAGCCCTCG GCCCATGAGA8460  
 CACCGCTCCT CCAGGTCTCC ATAAATTGTC TTTGGGGGAT TCCACCACAC CCAATGCTCT8520  
 GGAGCCACAA GGAGTGTCCC TTCTTCCCCA GCAGAGCCGT GGGAGGGTCC TTGTCTGCTC8580  
 TCTTCTTGAAC CTTGGCAGCC CTTGGATGGA GGGCTCCCTT TCCCTCCCCCT TTTTTTTTTT8640  
 TTTGTTCTG TGAATGTTA ATCTCCGTGA GTTCTTCTG GTTCTGTTG TCTGGGGGT8700  
 TTGGGGTGGG AGGGAATGCA GATGGGAGTT GGGGGAGGGG AGGATACAGT TCAGGATACC8760  
 CCAGCCTGGA GTCAGGGCCA GGGAGGCATG GCCCCACTTG TATCCAGAAG TCCCCAGGG8820  
 TGATTGTGAT GGTGGTTGGG ACTGGAGGTT GTATAAGGTG TTCTTGGAAG GAAGGGG8880  
 GAGTTGGAAT TAGTTGGTCC CTACTGTCCC CCATGAGGTT GTGAACCCCT CCCCCAACT8940  
 TTTCTATGTT CTTAAAGGCA TTTTGGTTTT TTTAAATCTG TACAGCAAGA GCAACTTTTT9000  
 CTGTCAAATA AAAATGAGAA ATGCAGG 9027

Name: 305 Len: 2380 Check: 3AC  
 TCTCCGCGTC CAGTGTGCT TAGAGGTGCT CGCGCCGCTC TGCTGCTGCT GCTGCCGCC 60  
 CGGCTCTTAG CCCGACCCCT GCTCCTCCTC CGCCGGTCCC TCAGCGCGGC CTCCTGCGCC 120  
 CCGATCTCCT TGCCCGCGGC CGCCTCCCGG AGCAGCATGG ACGGCGCGGG GGCTGAGGAG 180  
 GTGCTGGCAC CTCTGAGGCT AGCAGTGCGC CAGCAGGGAG ATCTTGTCG AAAACTCAA 240  
 GAAGATAAAG CACCCCAAGT AGACGTAGAC AAAGCAGTGG CTGAGCTCAA AGCCCCGAAG 300  
 AGGGTTCTGG AAGCAAAGGA GCTGGCGTTA CAGCCCCAAG ATGATATTGT AGACCGAGCA 360  
 AAAATGGAAG ATACCTTGAA GAGGAGGTTT TTCTATGATC AAGCTTTTGC TATTTATGGA 420  
 GGTGTAGTGT GTCTGTATGA CTTTGGGCCA GTTGGCTGTG CTTTGAAGAA CAATATTATT 480  
 CAGACCTGGA GGCAGCACTT TATCCAAGAG GAACAGATCC TGGAGATCGA TTGCACCATG 540  
 CTCACCCCTG AGCCAGTTTT AAAGACCTCT GGCCATGTAG ACAAATTTGC TGACTTCATG 600  
 GTGAAAGACG TAAAAAATGG AGAATGTTTT CGTGCTGACC ATCTATTAAA AGTCAATTA 660  
 CAGAAATGA TGTCTGATAA GAAGTGTCT GTCGAAAAGA AATCAGAAAT GGAAGTGT 720  
 TTGGCCAGC TTGATAACTA TGGACAGCAA GAATCTGCGG ATCTTTTGTG GAACTATAAT 780  
 GTAAATCTC CCATTACTGG AAATGATCTA TCCCCTCCAG TGTCTTTTAA CTTAATGTC 840  
 AAGACTTTCA TTGGGCCCTG AGGAAACATG CCTGGGTACT TGAGACCAGA AACTGCACAG 900  
 GGGATTTTCT TGAATTTCAA ACGACTTTTG GAGTTCAACC AAGGAAAGTT GCCTTTTGCT 960  
 GCTGCCAGA TTGGAAATTC TTTTAGAAAT GAGATCTCCC CTCGATCTGG ACTGATCAGA1020  
 GTCAGAGAA TCACAATGGC AGAAATTGAG CACTTTGTAG ATCCAGTGA GAAAGACCAC1080  
 CCCAAGTTC AGAATGTGGC AGACCTTCAC CTTTATTGT ATTCAAGAAA AGCCCAGGTC1140  
 AGCGGACAGT CCGCTCGGAA AATGCGCCTG GGAGATGCTG TTGAACAGGG TGTGATTAA1200  
 AACACAGTAT TAGGCTATTT CATTGGCCGC ATCTACCTCT ACCTCACGAA GGTGGAATA1260  
 TCTCCAGATA AACTCCGCTT CCGGCAGCAT ATGGAGAATG AGATGGCCCA TTATGCCTGT1320  
 GACTGTTGGG ATGCAGAATC CAAAACATCC TACGGTTGGA TTGAGATTGT TGGATGTGCT1380  
 GATCGTTCCT GTTATGACCT CTCCTGTCTG GCACGAGCCA CCAGAGTCCC ACTTGTAGCT1440  
 GAGAAACCTC TGAAAGAACC CAAAACAGTC AATGTTGTTT AGTTTGAACC CAGTAAGGGA1500  
 GCAATTGGTA AGGCATATAA GAAGGATGCA AAAGGATGGA TGGAGTATCT TGCCATTTGT1560  
 GATGAGTGCT ACATTACAGA AATGGAGATG CTGCTGAATG AGAAAGGGGA ATTCACAATT1620  
 GAAACTGAAG GGAAACATT TCAGTTAACA AAAGACATGA TCAATGTGAA GAGATTCCAG1680  
 AAAACACTAT ATGTGGAAGA AGTTGTTCCG AATGTAATTG AACCTTCCTT CGGCCTGGGT1740  
 AGGATCATGT ATACGGTATT TGAACATACA TTCCATGTAC GAGAAGGAGA TGAACAGAGA1800  
 ACATTCTTCA GTTTCCTTGC TGTAGTTGCT CCATTCAAAT GTTCCGTCTT CCCACTGAGC1860  
 CAAAACAGG AGTTCATGCC ATTTGTCAAG GAATTATCGG AAGCCCTGAC CAGGCATGGA1920  
 GTATCTCACA AAGTAGACGA TTCCTCTGGG TCAATCGGAA GGCCTATGC CAGGACTGAT1980  
 GAGATTGGCG TGGCTTTTGG TGTCACCATT GACTTTGACA CAGTGAACAA GACCCCCAC2040  
 ACTGCAACTC TGAGGGACCG TGAATCAATG CGGCAGATAA GAGCAGAGAT CTCTGAGCTG2100  
 CCCAGCATAG TCCAAGACCT AGCCAATGGC AACATCACAT GGGCTGATGT GGAGGCCAGG2160  
 TATCTCTGT TTGAAGGGCA AGAGACTGTT AAAAAAGAGA CAATCGAGGA ATGAGGACAA2220  
 TTTTGACAAC TTTTGACCAC TTGCGCTAAT AAAAAAATAA AACTACTCT TATGTCCACT2280  
 TTACAAAAGA AACAGCATT GTGATTACTC CCAGGGACCG TATTTTATCT TCAGTGGCTG2340

203

2380

CCTGATTTTA CCCCCACAAT TAAAGTTGAA GGAATCCTGA  
 Name: 306 Len: 2000 Check: 1B22  
 GGTATCGATG ACGTGGACAT TGACCTCCAC ATCAACATCA GCTTCCTCGA TGAGGAAGTC 60  
 TOTACAGCCT GGAAGGTCCT CCGGACAGAA COTATTGTGT TGAGGCTGCG ATTTTCTCTC 120  
 TCCCAGTACC TAGATGGACC AGAACCATCC ATTGAGGTTT TCCAGCCATC AAATAAGGAA 180  
 GGATTTGGGC TGGGTCTTCA GTTGA AAAAG ATCCTGGGTA TGTTTACATC CCAACAATGG 240  
 AAACATCTGA GCAATGATTT CTTGAAGACC CAGCAGGAGA AGAGGCACAG TTGTTCAAG 300  
 GCAAGTGGTA CCATCAAGAA GTTCCGAGCT GGCTCAGCA TCTTTTCACC CATCCCCAAG 360  
 TCTCCAGTT TCCCTATCAT ACAGGACTCC ATGCTGAAAG GCAAACTAGG TGTACCAGAG 420  
 CTTCCGGTTG GCGCCTCAT GAACCGCTCC ATCTCCTGTA CCATGAAGAA CCCCCAAGTG 480  
 GAAGTGTGTT GCTACCTCC CAGCCCCCAG GCAGGTCTCC TGTGCCCTCA GCACGTGGGC 540  
 CTCCCTCCCC CAGCACGGAC CTCTCCTTTG GTCAGTGGTC ACTGCAAGAA CATTCCCACT 600  
 CTGGAGTATG GATTCTCGT TCAGATCATG AAGTATGCAG AACAGAGGAT TCCAACATTG 660  
 AATGAGTACT GTGTGGTGTG TGATGAGCAG CATGTCTTCC AAAATGGATC TATGCTGAAG 720  
 CCAGCTGTCT GACTCGTGA ACTATGCGTT TTCTCCTTCT ACACACTGGG CGTCATGTCT 780  
 GGAGCTGCAG AGGAGGTGGC CACTGGAGCA GAGGTGGTGG ATCTGCTGGT GGCCATGTGT 840  
 AGGGCAGCTT TAGAGTCCCC TAGAAAGAGC ATCATCTTTG AGCCTTATCC CTCTGTGGTG 900  
 GACCCCACTG ATCCCAAGAC TCTGGCCTTT AACCTAAGA AGAAGAATTA TGAGCGGCTT 960  
 CAGAAAGCTC TGGATAGTGT GATGTCTATT CGGGAGATGA CCCAGGGCTC ATATTTGGA1020  
 ATCAAGAAAC AGATGGACAA GTTGGATCCC CTGGCCCATC CTCTCCTGCA GTGGATCATC1080  
 TCTAGCAACA GGTACACAT TGTCAAACTA CCTCTCAGCA GGCTGAAGTT CATGCACACC1140  
 TCACACCAGT TCCTCCTGCT GAGCAGCCCT CCTGCCAAGG AGGCTCGGTT CCGGACCGCC1200  
 AAGAAGCTCT ATGGCAGCAC CTTTGCCTTC CATGGGTCCC ACATTGAGAA CTGGCATTCG1260  
 ATCCTGCGCA ATGGGCTGGT CAATGCATCC TACACCAAAC TGCAGCTGCA TGGAGCAGCC1320  
 TATGGCAAAG GCATCTACCT GAGCCCCATC TCCAGTATTT CCTTTGGATA CTCAGGAATG1380  
 GGAAAGGAC AGCAGAGGAT GCCCTCCAAG GATGAGCTGG TCCAGAGATA CAACAGGATG1440  
 AATACCATCC CCCAGACCCG ATCCATTCCG TCACGGTTCC TGCAGAGTCG GAATCTAAAC1500  
 TGTATAGCAC TTTGTGAAGT GATTACATCT AAGGACCTCC AGAAGCATGG GAACATCTGG1560  
 GTGTGCCCTG TGTCGGACCA TGCTGCACA AGATTCTTCT TTGTATATGA GGATGGTCAG1620  
 GTGGGCGATG CCAACATTAA TACTCAGGAC CCCAAGATAC AGAAGGAAAT CATGCGTGTG1680  
 ATCGGAACCT AGGTTTACAC AAAGTGAAGG GGCCCCAGCC CTCGTACCAC CCCTGTTACC1740  
 CCAGGATCCA TCTGCCCTCA TAAAAGTGT CAGGTACAGC AGCTGAGGCT GCCCTGAGGA1800  
 ATCAAGGGGC CATTACCAAG GGGCAGGAAA AGGATATGTA AGAGGTGGCC TTCATGGTAG1860  
 AGCTTGACCC AAGAATACT CCACATTCGG ATGGCCAGA CTGACTCCAT CCOCTGACTT1920  
 TCCCTTTGAC TTCACCTGT TTGTAAATAA AACAATAAAA TGAAGGTGC TGTGGACTGG1980  
 AAAAAAAAAA AAAAAAAAAA 2000

Len: 2263 Check: 12EC  
 Name: 307  
 ATGGCCAGCG TCCACGAGAG CCTCTACTTC AATCCCATGA TGACCAATGG GGTGTGTCAC 60  
 GCCAATGTGT TAGGCATCAA GGACTGGGTG ACGCCGTACA AGATCGCGGT GCTGGTGCTG 120  
 CTGAACGAGA TGAGCCGCAC AGGCGAGGGC GCGCTCAGCC TCATGGAGCG GCGGAGGCTC 180  
 AACCAGCTGC TCCTGCCCCCT GCTGCAGGGC CCAGATATTA CACTGTCAAA ACTTTACAAG 240  
 TTAATTGAAG AGTCTGTCC ACAGCTGGCA AATTCACTGC AGATCAGAAT CAACTGATG 300  
 GCTGAAGGCG AGTTGAAGGA TATGGAACAG TTTTGTGATG ACCTTTGAGA TTCTTTCTCT 360  
 GGAAGTGAAC CAGAGGTTCA CAAAACAAGT GTAGTAGGTT TGTCTGCG TCACATGATC 420  
 TTGGCCTACA GTAAGCTTTC TTTCAGCCAA GTGTTTAAAC TGTACACTGC CCTTCAGCAG 480  
 TACTTCCAGA ATGGTGAGAA AAAGACAGTG GAGGATGCTG ATATGGAAC TACCAGTGA 540  
 GATGAGGGTG AAAGAAAAAT GGAAAAAGAA GAACCTGATG TATCTGTAAG AGAAGAGGAG 600  
 GTATCTTGCA GTGGCCTCT GTCCCAAAAA CAAGCAGAAT TTTTCTTTC TCAACAGGCT 660  
 TCTTTGCTAA AGAATGATGA GACTAAGGCC CTCACTCCAG CTTCCTTGCA GAAGGAATTA 720  
 AACAAATTTGT TGAATTTTAA TCCTGATTTT GCTGAAGCGC ATTATCTCAG CTACTTAAAC 780  
 AACCTCCGTG TCCAAGATGT TTTCAGTTCA ACACACAGTC TCCTCCATTA TTTTGATCGT 840  
 CTGATTCTTA CCGGAGCCGA AAGCAAAAGT AATGGGGAAG AGGGCTATGG CCGGAGCTTG 900  
 AGATACGCCG CTCTGAATCT TGCCGCCCTG CACTGCCGCT TCGGTCACTA TCAACAGGCA 960  
 GAGCTCGCCC TGCAGGAGGC AATTAGGATT GCCCAGGAGT CCAACGATCA CGTGTGTCTC1020  
 CAGCACTGTT TGAGCTGGCT TTATGTGCTG GGGCAGAAGA GATCCGATAG CTATGTTCTG1080  
 CTGGAGCATT CTGTGAAGAA GGCAGTACAT TTTGGGTTAC CGTACCTCGC CTCCCTGGGA1140  
 ATACAGTCCC TTGTTCAACA GAGAGCTTTT GCTGGGAAGA CCGCAAACAA GCTGATGGAT1200  
 GCCCTAAAGG ACTCCGACCT CCTGCACTGG AAACACAGCC TGTCAAGGCT CATCGATATC1260  
 AGCATCGCAC AGAAAAACGGC CATCTGGAGG CTGTATGGCC GCAGCACCAT GGCAGTCAAA1320  
 CAGGCCCAGA TGTGCTGAG CATGAACAGC CTGGAGGCGG TGAATGCGGG CGTGCAGCAG1380  
 AACAAACACAG AGTCCTTTGC TGTCCGACTC TGCCACCTCG CAGAGCTACA CGCGGAGCAG1440  
 GGCTGTTTTG CTGCAGCTTC TGAAGTGTTA AAGCACTTGA AGGAACGATT TCCGCCTAAT1500  
 AGTCAGCACG CCCAGTTATG GATGCTATGT GATCAAAAAA TACAGTTTGA CAGAGCAATG1560

204

AATGATGGCA AATATCATTG GGCTGATTCA CTTGTTACAG GAATCACAGC TCTCAATAGC1620  
 ATAGAGGGTG TTTATAGGAA AGCGGTGTGA TTACAAGCTC AGAACCAGAT GTCAGAGGCA1680  
 CATAAGCTTT TACAAAAATT GTTGGTTCAT TGTCAGAAAC TGAAGAACAC AGAAATGGTG1740  
 ATCAGTGTCC TACTGTCCGT GGCAGAGCTG TACTGGCGAT CTTCCCTCCC TACCATCGCG1800  
 CTGCCCCATGC TCCTGCAGGC TCTGGCCCTC TCCAAGGAGT ACCGGTTACA GTACTTGGCC1860  
 TCTGAAACAG TGCTGAACCT GGCTTTTGCG CAGCTCATTG TTGGAATCCC AGAACAGGCC1920  
 TTAAGTCTTC TCCACATGGC CATCGAGCCC ATCTTGGCTG ACGGGGCTAT CCTGGACAAA1980  
 GGTGCTGCCA TGTTCTTAGT GGCCAAGTGC CAGGTGGCTT CAGCAGCTTC CTACGATCAG2040  
 CCGAAGAAAG CAGAAGCTCT GGAGGCTGCC ATCGAGAACC TCAATGAAGC CAAGAAGTAT2100  
 TTTGCAAAGG TTGACTGCAA AGAGCGCATC AGGGACGTCG TTTACTTCCA GGCCAGACTC2160  
 TACCATAACC TGGGGAAGAC CCAGGAGAGG AACCAGGTGT CGATGCTCTT CCGGCAGCTG2220  
 CATCAGGAGC TGCCCTCTCA TGGGGTACCC TTGATAAACC ATCTCTAG 2268

Name: 308 Len: 3176 Check: 1322  
 GGTGGTGGCG GCGGCGCAAG GGTGAGGGCG GCCCCAGAAC CCCAGGTAGG TAGAGCAAGA 60  
 AGATGGTGTG TCTGCCCCCTC AAATGGTCCC TTGCAATCAT GTCATTTCTA CTTTCCTCAC 120  
 TGTTGGCTCT CTTAACTGTG TCCACTCCTT CATGGTGTCA GAGCACTGAA GCATCTCCAA 180  
 AACGTAGTGA TGGGACACCA TTTCCCTTGA ATAAAATACG ACTTCCTGAG TACGTATCC 240  
 CAGTTCATTA TGATCTCTTG ATCCATGCAA ACCTTACCAC GCTGACCTTC TGGGGAACCA 300  
 CGAAAGTAGA AATCAGAGCC AGTCAGCCCA CCAGCACCAT CATCCTGCAT AGTCACCAAC 360  
 TGCAGATATC TAGGGCCACC CTCAGGAAGG GAGCTGGAGA GAGGCTATCG GAAGAACCCC 420  
 TGCAGGTCTT GGAACACCCC CCTCAGGAGC AAATTGCACT GCTGGCTCCC GAGCCCCCTC 480  
 TTGTGCGGCT CCCGTACACA GTTGTCATTC ACTATGCTGG CAATCTTTCG GAGACTTTC 540  
 ACGGATTTTA CAAAAGCACC TACAGAACCA AGGAAGGGGA ACTGAGGATA CTAGCATCAA 600  
 CACAATTTGA ACCCACTGCA GCTAGAATGG CCTTTCCTTG CTTTGATGAA CCTGCCTTCA 660  
 AAGCAAGTTT CTCAATCAAA ATTAGAAGAG AGCCAAGGCA CCTAGCCATC TCCAATATGC 720  
 CATTGGTGAA ATCTGTGACT GTTGCTGAAAG GACTCATAGA AGACCATTTT GATGTCACTG 780  
 TGAAGATGAG CACCTATCTG GTGGCCTTCA TCATTTTCA TTTTGAGTCT GTCAGCAAGA 840  
 TAACCAAGAG TGGAGTCAAG GTTTCTGTTT ATGCTGTGCC AGACAAGATA AATCAAGCAG 900  
 ATTATGCACT GGATGCTGCG GTGACTCTTC TAGAATTTTA TGAGGATTAT TTCAGCATAC 960  
 CGTATCCCTT ACCCAAACAA GATCTTGCTG CTATTCCTCG CTTTCAGTCT GGTGCTATGG1020  
 AAAACTGGGG ACTGACAACA TATAGAGAAT CTGCTCTGTT GTTGATGCA GAAAAGTCTT1080  
 CTGCATCAAG TAAGCTTGGC ATCACAATGA CTGTGGCCCA TGAAGTGGCC CACCAAGTGG1140  
 TTGGGAACCT GGTCACTATG GAATGGTGGA ATGATCTTTG GCTAAATGAA GGATTTGCCA1200  
 AATTTATGGA GTTTGTGTCT GTCAGTGTGA CCCATCCTGA ACTGAAAGTT GGAGATTATT1260  
 TCTTTGGCAA ATGTTTTGAC GCAATGGAGG TAGATGCTTT AAATTCCTCA CATCCTGTGT1320  
 CTACACCTGT GGAAAAATCCT GCTCAGATCC GGGAGATGTT TGATGATGTT TCTTATGATA1380  
 AGGGAGCTTG TATTCTGAAT ATGCTAAGGG AGTATCTTAG TGCTGACGCA TTTAAAAGTG1440  
 GTATTGTACA GTATCTCCAG AAGCATAGCT ATAAAAATAC AAAAAACGAG GACCTGTGGG1500  
 ATAGTATGGC AAGTATTTGC CCTACAGATG GTGTAAAGG GATGGATGGC TTTTGCTCTA1560  
 GAAGTCAACA TCTATCTTCA TCCTCACATT GGCATCAGGA AGGGGTGGAT GTGAAAACCA1620  
 TGATGAACAC TTGGACACTG CAGAAGGGTT TCCCCCTAAT AACCATCACA GTGAGGGGGA1680  
 GGAATGTACA CATGAAGCAA GAGCACTACA TGAAGGGCTC TGACGGCGCC CCGGACACTG1740  
 GGTACCTGTG GCATGTTCCT TTGACATTCA TCACCAGCAA ATCCGACATG GTCCATCGAT1800  
 TTTTGCTAAA AACAAAAACA GATGTGCTCA TCCTCCAGGA AGAGGTGGAA TGGATCAAA1860  
 TTAATGTGGG CATGAATGGC TATTACATTG TGCATTACGA GGATGATGGA TGGGACTCTT1920  
 TGACTGGCCT TTTAAAAGGA ACACACACAG CAGTCAGCAG TAATGATCGG GCGAGTCTCA1980  
 TTAACAATGC ATTTTCAAGCT GTCAGCATTG GGAAGCTGTC CATTGAAAAG GCCTTGGATT2040  
 TATCCCTGTA CTTGAAACAT GAAACTGAAA TTATGCCCCG GTTTCAAGGT TTGAATGAGC2100  
 TGATTCCCTAT GTATAAGTTA ATGGAGAAAA GAGATATGAA TGAAGTGGAA ACTCAATTCA2160  
 AGGCCTTCTC CATCAGGCTG CTAAGSGACC TCATTGATAA GCAGACATGG ACAGACGAGG2220  
 GCTCAGTCTC AGAGCGAATG CTGCGGAGTC AACTACTACT CCTCGCCTGT GTGCACAAC2280  
 ATCAGCCGTG CGTACAGAGG GCAGAAGGCT ATTTAGAAA GTGGAAGGAA TCCAATGGAA2340  
 ACTTGAGCCT GCCTGTGCGC GTGACCTTGG CAGTGTGTCG TGTGGGGGCC CAGAGCACAG2400  
 AAGGCTGGGA TTTTCTTTAT AGTAAATATC AGTTTCTTT GTCCAGTACT GAGAAAAGCC2460  
 AAATTGAATT TGCCCTCTGC AGAACCAGAA ATAAGGAAAA GCTTCAATGG CTACTAGATG2520  
 AAGCTTTTAA GGGAGATAAA ATAAAACTC AGGAGTTTCC ACAAATTCTT ACACCTATTG2580  
 GCAGGAACCC AGTAGGATAC CCACTGGCCT GGCTCATCTT CCATAGCCCA CATGGTAATG GGTACAACAA2700  
 TTGTACAAAA GTTTGAACCT CACAGAACA CGGCTTGAAG AGGTAAAAGG ATTCTTCAGC TCTTTGAAAG2760  
 ATCAATTCTC CCAAGAAACA TGTGTCCAAC AGACAATTGA AACCATTGAA GAAAACATCG2820  
 AAAATGGTTC TCAGCTCCGT TGTGTCCAAC AGACAATTGA AACCATTGAA GAAAACATCG2880  
 GTTGGATGGA TAAGAATTTT GATAAAATCA GAGTGTGGCT GCAGAGTGAA AAGCTTGAAC2940  
 GTATGTAAAA ATTCCTCCCT TGCCAGGTTT CTGTTATCTC TAATCACCAA CATTTTGTG2980  
 AGTGTATTTT CAAACTAGAG ATGGCTGTTT TGGCTCCAAC TGGAGATACT TTTTCCCTT3000

205

CAACTCATTT TTTGACTATC CCTGTGAAAA GAATAGCTGT TAGTTTTTCA TGAATGGGCT3060  
TTTTCATGAA TGGGCTATCG CTACCATGTG TTTTGTTCAT CACAGGTGTT GCCCTGCAAC3120  
GTAAACCCAA GTGTTGGGTT CCCTGCCACA GAAGAATAAA GTACCTTATT CTTCTC 3176

Name: 309 Len: 2059 Check: 1D13  
GCGGCCGCCA AGCGATCCCT GCTCCGCGCG ACGTGGCTG CCGCGGCACG CAGAGAGGCG 60  
GTGACGCACT TTACGGCGGC ACGTAAGTGC GTGACGCTCG TCAGTGGCTT CAGTTCACAS 120  
GTGGCGCCMG SASGMRGGTT GCTGTGTTTG TGCTTCCTTC TACAGCCAAT ATGAAAAGGC 180  
CTAAGTTAAA GAAAGCAAGT AAACGCATGA CCTGCCATAA GCGGTATAAA ATCCAAAAA 240  
AGGTTTCGAGA ACATCATCGA AAATTAAGAA AGGAGGCTAA AAAGCAGGGT CACAAGAAGC 300  
CTAGGAAAGA CCCAGGAGTT CCAAACAGTG CTCCCTTTAA GGAGGCTCTT CTTAGGGAAG 360  
CTGAGCTAAG GAAACAGAGG CTGAAGAAG TAAACAGCA GCAGAACTT GACAGSCAGA 420  
AGGAACTAGA AAAGAAAAGA AAACCTGAAA TAAATCCTGA TATTAAGCCA TCAAATGTGG 480  
AACCTATGGA AAAGGAGTTT GGGCTTTGCA AAACCTGAGAA CAAAGCCAAG TCGGGCAAAC 540  
AGAATTCAAA GAAGCTGTAC TGCCAAGAAC TAAAAAGGT GATTGAAGCC TCCGATGTTG 600  
TCCTAGAGGT GTTGGATGCC AGAGATCCTC TTGGTTGCAG ATGTCTCAG GTAGAAGAGG 660  
CCATTGTCCA GAGTGGACAG AAAAGCTGG TACTTATATT AAATAAATCA GATCTGGTAC 720  
CAAAGGAGAA TTTGGAGAGC TGGCTAAAT ATTTGAAGAA AGAATTGCCA ACAGTGGTGT 780  
TCAGAGCCTC AACAAAACCA AAGGATAAAG GGAAGATAAC CAAGCGTGTG AAGGCPAAGA 840  
AGAATGCTGC TCCATTGAGA AGTGAAGTCT GCTTTGGGAA AGAGGGCCTT TSGAAACTTC 900  
TTGGAGGTTT TCAGGAAACT TGCAGCAAG CCATTGCGGT TGGAGTAAT GGTTCCTCAA 960  
ATGTGGGGAA AAGCAGCAAT ATCAATAGCT TAAACAAGA ACAGATGTGT AATGTTGGTG1020  
TATCCATGGG GCTTACAAGG AGCATGCAAG TTGTCCCTT GGACAAACAG ATCACAATCA1080  
TAGATAGTCC GAGCTTCATC GTATCTCCAC TTAATTCCTC CTCTGCGCTT GCTCTGCGAA1140  
GTCCAGCAAG TATTGAAGTA GTAAAACCGA TGGAGGCTGC CAGTGCCATC CTTTCCAGG1200  
CTGATGCTCG ACAGGTAGTA CTGAAATATA CTGTCCCAGG CTACAGGAAT TCTCTGGAAT1260  
TTTTTACTAT GCTTGCTCAG AGAAGAGGTA TGCACCAAAA AGGTGGAATC CCAATGTTG1320  
AAGGTGCTGC CAAACTGCTG TGGTCTGAGT GGACAGGTGC CTCATTAGCT TACTATTGCC1380  
ATCCCCCTAC ATCTTGGACT CCTCCTCCAT ATTTAATGA GAGTATTGTG GTAGACATGA1440  
AAAGCGGCTT CAATCTGGAA GAACCTGGAA AGAACAATGC ACAGAGCATA AGAGCCATCA1500  
AGGGCCCTCA TTTGGCCAAT AGCATCCTTT TCCAGTCTC CCGTCTGACA AATGGAATAA1560  
TAGAAGAAA GGACATACAT GAAGAATTGC CAAAACGGA AGAAAGGAAG CAGGAGGAGA1620  
GGGAGGATGA CAAAGACAGT GACCAGGAAA CTGTTGATGA AGAAGTTGAT GAAAACAGCT1680  
CAGGCATGTT TGCTGCAGAA GAGACAGGGG AGGCACCTCT GAGGAGACTA CAGCAGGTGA1740  
ACAGTCTACA AGGTCTTTTA TCTTGGATAA AATCATTGAA GAGGATGATG CTTATGACTT1800  
CAGTACAGAT TATGTGTAAC AGAACAATGG CTTTTTATGA TTTTTTTTT TAACATTTTA1860  
AGCAGACTGC TAACTGTTC TCTGTATAAG TTATGGTATG CATGAGCTGT GTAAATTTTG1920  
TGAATATGTA TTATATTAAA ACCAGGCAAC TTGGAATCCC TAAATCTGT AAAAGACAA1980  
TTCATCTCAT TGTGAGTGA AGTAGTTATC TGAATAAAA AAAGAAGATA CCTATTGAAA2040  
AAAAAATAAA 2059

Name: 31 Len: 550 Check: 2010  
TCAGACTCTC CTCGTTCCGG CAGTCAGCTC GGCTCCTTCC AGCAACCATG TCTGACAAAC 60  
CCGATATGGC TGAGATCGAG AAATTCGATA AGTCGAAGTT GAAGAAAACA GAAACGCAAG120  
AGAAAAATCC TCTGCCTTCA AAAGAACAA TTGAACAAGA GAAGCAAGCT GGCGAATCGT180  
AATGAGGCGA GCGCGCCAAT ATGCACTGTA CATTCCACGA GCATTGCCTT CTTATTTTAC240  
TTCTTTTAGC TGTTTAACTT TGTAAGATGC AAAGAGGTTG SATCAAGTTT AAATCGACTG300  
TGCTGCCCTT TTCACATCAA AGAATCAGAA CTACTGAGCA GGAAGGCCTC CCCTGCCTCT360  
CCCACCCATC TGATGGTCTG GCTAGCAGAG AGGGAAAAGA ACTTGATGTG TGGTGAAGGA420  
AAAAGCTGGG TGGGAGATGA TGAATNGAGA GGAAATTTT AAGATGGTCC AAGATGTCT480  
GGCAGGATGT AAATGGCAGT TTTAATCAGA GTGGCATTIT TTTTTTGGT CAAACAATTT540  
TAATTATTGG 550

Name: 310 Len: 2238 Check: 1154  
CGTTGCCGGG TCGCAGGTCC CGCCAGTGCG AGCGCAACGG AGGTCCAAGG CGTTCAGACT 60  
CTTAGCTGAA CGCGGAGCTG CGCCGGCTAT GCTGTGGAGC GGCTGCCGGC GTTTCGGGGC 120  
GCGCCTCGGC TGCTGCCCCG GCGGTCTCCG GGTCTCTGTC CAGACCGGCC ACCGGAGCTT 180  
GACCTCCTGC ATCGACCTT CCATGGGACT TAATGAAGAG CAGAAAGAAT TTCAAAAAGT 240  
GGCCTTTGAC TTTGCTGCCC GAGAGATGGC TCCAAATATG GCAGAGTGGG ACCAGAAGGA 300  
GCTGTTCCCA GTGGATGTGA TCGGGAAGGC AGCCCAGCTA GGCTTCGGAG GGGTCTACAT 360  
ACAAACAGAT GTGGGCGGGT CTGGGCTGTC ACGTCTTGAT ACCTCTGTCA TTTTGAAGC 420  
CTTGGCTACA GGCTGCACCA GCACCACAGC CTATATAAGC ATCCACAACA TGTGTGCTG 480  
GATGATTGAT AGCTTCGGAA ATGAGGAACA GAGGCACAAA TTTTGCCAC CGCTCTGTAC 540  
CATGGAGAAG TTTGCTTCTT ACTGCCTCAC TGAACCAGGA AGTGGGAGTG ATGCTGCCTC 600  
TCTTCTGACC TCCGCTAAGA AACAGGGAGA TCATTACATC CTCAATGGCT CCAAGGCCTT 660  
CATCAGTGGT GCTGGTGAAG CAGACATCTA TGTGGTCATG TGCCGAACAG GAGGACCAGG 720

206

CCCCCAGGGC ATCTCATGCA TAGTTGTTGA GAAGGGGACC CCTGGCCTCA GCTTTGGCAA 780  
 GAAGGAGAAA AAGGTGGGGT GGAACCTCCA GCCAACACGA GCTGTGATCT TCGAAGACTG 840  
 TGCTGTCCCT GTGGCCAACA GAATTGGGAG CGAGGGGCAG GGCTTCCTCA TTGCCGTGAG 900  
 AGGACTGAAC GGAGGGAGGA TCAATATTGC TTCCTGCTCC CTGGGGGCTG CCCACGCCTC 960  
 TGTCATCCTC ACCCGAGACC ACCTCAATGT CCGGAAGCAG TTTGGAGAGC CTCTGGCCAG1020  
 TAACCACTAC TTGCAATTCA CACTGGCTGA TATGGCAACA AGGCTGGTGG CCGCGCGGCT1080  
 GATGGTCCGC AATGCAGCAG TGGCTCTGCA GGAGGAGAGG AAGGATGCAG TGGCCTTGTG1140  
 CTCCATGGCC AAGCTCTTTG CTACAGATGA ATGCTTTGCC ATCTGCAACC AGGCCTTGCA1200  
 GATGCACGGG GGCTACGGCT ACCTGAAGGA TTACGCTGTT CAGCAGTACG TGCGGGACTC1260  
 CAGGGTCCAC CAGATTCTAG AAGGTAGCAA TGAAGTGATG AGGATACTGA TCTCTAGAAG1320  
 CCTGCTTCAG GAGTAGAACC CACACTTGT CTGGCCTGGT GTTCAGTGC ACTGCAGTCA1380  
 GTGTTGAGTG GTGCCATGTG GGCCGCTCTA TTCCAAAGGA ATCATGGATT AGACCCAAGG1440  
 GCTGAGCTCC TCTAGGGCAG GACCTGCACC CTGTGTGTTG GCACCAGCAT CGGGTCTTGG1500  
 ACTGGGGCAG AATCCCCAGT GGAACCGGAA GAGCTGGACT GATGAGAAAC ATCAGAAGAA1560  
 CACATACTAC CTTGTTTTTC TAATGCCAGA AGGGTGACCA GTGAAGATT ACCGTCAAAC1620  
 CATGAAGTC CTTTCTTGGA TCCACTTTAT CTTGATTAGT CTGCATTTTA CTAGTTCACT1680  
 GGATCCCTCC TCTAGGGGCC TGGGGACTTT CACTGATGCT CTTCTCTGATT CTAGAGCAA1740  
 GGTGTGGGAA GGGGAAATGG AGGAATGCC TCCTGTCTGT GTCGTTCTCT GTGCCACAGC1800  
 TACAGATGCA GAAGGTTTCT CTGGATAGCA CACCTCTGAA TGTAAATCAT GATAAATGG1860  
 ATATTTGGAA ACTTACTCCT AAGCTGTGAT GTAGGGTGTA TTTCTACTTC TGGACTGCCT1920  
 CAATATCAAG GGCTGAGACT TTTGAATGTT GAATATTCGT TGGGTTTCAT GTTAAGACGC1980  
 CTGTGGTCCA GGAGTGCTAT TCAGTGTTTC TGTTCTGAT AAACACTTTG AATATTTT2040  
 TGTGTTTTTG TTTCTTTTC TGAAGCTGTT CCTCTTTTA AATATTTTGA ATCAGATGA2100  
 TAAAATCTAT CCTTCATCCA CCTCTGGTTC TACTATAGTT GATTTTTTAT TTAATGTT2160  
 AATTGTATTT GATTAAACAC TTAAGTGAT TTTGGAATA TAAACTCTC GTCCAATTTG2220  
 GCTTTTAAAA AAAAAAAA 2236

Name: 311

Len: 3334 Check:

1CA

CGGAGGAGGC CCAGAGACCG GAGCGCGGAG ACCTCAGCCA GCGGCCTACG CCCAGGCCTT 60  
 TCTCCACCGG AGGACCAGGG AACCAGAGTC TTCATCACAG AGGTACCGTG CTCCGCGCTC 120  
 CCGGCTTGCAC CCGGCCAGC CCGCTGCGGC GGTGCTCCT TCCTTCCTCC TTCCCTCGCG 180  
 CTCTCTCTTT CGCCCGCCCG CGCCTTCCCT GCCCGCCTGC GTCACCGCGG CCGCCATGGC 240  
 TGAGAATGGC GAGAGCAGCG GCCCCCGCG CCCCCTCCCG GGGCCTGCTG CGGCCAAAG 300  
 CTCGGCTGCT GCCCCGGCTG AGCCTAAAAAT CATCAAAGTC ACGGTGAAGA CTCCCAAAGA 360  
 GAAAGAGGAG TTCCGCGGTGC CCGAGAACAG CTCGGTTTCA CAGTTTAAAG AAGCGATTTT 420  
 GAAACGCTTC AAATCCCAA CCGATCAGCT AGTGCTGATT TTTGCCGGAA AAATCTTAAA 480  
 AGATCAAGAT ACCTTGATCC AGCATGGCAT CCATGATGGG CTGACTGTTT ACCTGTGTCAT 540  
 CAAAAGCCAG AACCGACCTC AGGGCCAGTC CACGCAAGCT AGCAATGCCG CGGGAACATA 600  
 CACTACCTCG GCGTCGACTC CCAGGAGTAA CTCCACACCT ATTTCCACAA ATAGCAACCC 660  
 GTTTGGGTTG GGGAGCCTGG GAGGACTTGC AGGCCTTAGC AGCCTGGGCT TGAGCTCGAC 720  
 CAACTTCTCT GAGCTCCAGA GCCAGATGCA GCAGCAGCTT ATGGCCAGCC CTGAGATGAT 780  
 GATCCAAATA ATGGAAAATC CCTTTGTTCA GAGCATGCTT TCGAATCCCG ATCTGATGAG 840  
 GCAGCTGATT ATGGCTAATC CACAGATGCA GCAATTGATT CAGAGAAACC CAGAAATCAG 900  
 TCACCTGCTC AACAAACCCAG ACATAATGAG CCGACACTC GAAATTGCCA GGAATCCAGC 960  
 CATGATGCAA GAGATGATGA GAAATCAAGA CCTGGCTCTT AGCAATCTAG AAAGCATCCC1020  
 AGGTGGCTAT AATGCTTTAC GGCGCATGTA CACTGACATT CAAGAGCCGA TGCTGAATGC1080  
 CGCACAAGAG CAGTTTGGGG GTAATCCATT TGCCTCCGTG GGGAGTAGTT CCTCCTCTGG1140  
 GGAAGGTACG CAGCCTTCCC GCACAGAAA TCGCGATCCA CTACCCAATC CATGGGCAACC1200  
 ACCGCCAGCT ACCCAGAGTT CTGCAACTAC CAGCAGGACC ACAAGCACTG GTAGTGGGTC1260  
 TGGCAATAGT TCCAGCAATG CTACTGGGAA CACCGTTGCT GCCGCTAATT ATGTCGCCAG1320  
 CATCTTTAGT ACCCCAGGCA TGCAGAGCCT GCTGCAACAG ATAAGTAAA ACCCCAGCT1380  
 GATTGAGAA ATGCTGTGCG CGCCCTACAT GAGAAGCATG ATGCAGTCGC TGAGCCAGAA1440  
 TCCAGATTTG GCTGCACAGA TGATGCTGAA TAGCCCGCTG TTTACTGCAA ATCCTCAGCT1500  
 GCAGGAGCAG ATGCGGCCAC AGCTCCCAGC CTTCCTGCAG CAGATGCAGA ATCCAGACAC1560  
 ACTATCAGCC ATGTCAAACC CAAGAGCAAT GCAGGCTTTA ATGCAGATCC AGCAGGGGCT1620  
 ACAGACATTA GCCACTGAAG CACCTGGCCT GATTCCGAGC TTCACTCCAG GTGTGGGGT1680  
 GGGGGTGCTG GGAACCGCTA TAGGCCCTGT AGGCCAGTC ACCCCCATAG GCGCCCTGC1800  
 CCCTATAGTC CTTTTTACCC CCATAGGCCC CATTTGGGCC ATAGGACCCA CTGGCCCTGC1860  
 AGCCCCCCT GGCTCCACCG GCTCTGGTGG CCCCACGGGG CTTACTGTGT CCAGCGCTGC1920  
 ACCTAGAGAA ACCACGAGTC CTACATCAGA ATCTGGACCC AACCAGCAGT TCATTGAGCA1980  
 AATGGTGCAG GCCCTGGCTG GAGCAAATGC TCCACAGCTG CCGAATCCAG AAGTCAGATT1980  
 TCAGCAACAA CTGGAACAGC TCAACGCAAT GGGGTTCTTA AACCCTGAAG CAAACTTGCA2040  
 GGGCCTAATA GCAACAGGAG GCGACATCAA TGCAGCCATT GAAAGGCTGC TGGGCTCCCA2100  
 GGCATCGTAA TCACATTTCT GTACCTGGAA AAAAAATGTA TCTTATTTT GATAATGGCT2160

207

CTTAAATCTT TAAACACACA CACAAATCG TTCTTTACTT TCATTTTGAT TCTTTTAAAT2220  
CTGTCTAGTT GTAAGTCTAA TATGATGCAT TTTAAGATGG AGTCCCTCCC TCCTACTTCC2230  
CTCACTCCCT TTCTCCTTTG CTTATTTTTC CTACCTTCCC TTCCTCTGT CTCCCCACTC2340  
CCTCCCTCTT TGTTTCCTTC CTTCTTATT TCCTTTAGTT TCCTTCCTTA GCCGTTTTTA2400  
GTGGTGGGAA TCAAATGCTG TTTCACTCAA AAGTGTGCA TGCAAACT TCTCTTTATT2460  
CTGCATTTAT TGTGATTTT GGAAACAGGT ATCAACCTTC ACAGGTGGG TGCAACAAGT2520  
GTTGTCTAC AGATGTCAA TTTATTTGCA TTTTAAACA TTAGCCTATG ATAGTAATTT2580  
AATGTAGAAT GAAGATATTA AAACCAGAAG CAAATTATTT GAAGCCCTCT AATTTGTGGT2640  
ACGATATTGC CTTATTGTGA CTTGGCAKG TATTTTGTCT AGCAAAATGC TGTAAGATTT2700  
ATACCATGA TCTTTTTTGC TATATTGTGA TACAGTACAG TAAGCACAAT TGGCCCTGTA2760  
CATCTAAAAA TATTACAGTA GAATCTGAGT GTAATATGTG TAACCAAAAT GAGAAAGAA2820  
ACAAGAAATG TTTCTGGAGC TAGTTATGTC TCACAATTTT GTAGAATCTT ACAGCATCTT2880  
TGATAAACTT CTCAGTGAAA ATGTTGGCTA GGCAAGTTCA GTTAAACAT AGTACAAATG2940  
TTTATCCTGG CATCTCTAAG TACACATTTA ATTGCACAGA AAATTTACAG TGTAAACATTG3000  
CGTCAACATT TGCAGATTGA CTGCATATGA CCTTAACTTT TGTGCAGCCT GAAGGATCAG3060  
TGTAAGTATG CCAGGAAAGT GCTTTTTACC TAAGACTTCC TTCTCAGCTT CTCCCATAAA3120  
CAGACCCTAA TATGCATTTT GATTTGTAAAT TGGAAATGTA ACTTTCCCTG AAAGTGTCTAT3180  
GTGATGTTTG CATTAATTTT AACTGCTATG TATAAAGGAA AGTGTGCTT TTGACTTCAT3240  
CAGTTATTTT TCTTGCGCCC ACAGAAAAAT GCATTAATAA TGACTAAAAA AAATAAAAAA3300  
TAAAAAATG GAAAAAATAA AAAAAAATAA AAAA 3334

Name: 312 Len: 1701 Check: 1755  
GGAACAAAAG CTGGAGCTCC ACCGCGGTGG CGGCCGCTCT AGAAGTAGTG GATCCCCCGG 60  
GCTGCAGGAA TTCGGCACGA GCAGAAGAGG GGGCTAGCTA GCTGTCTCTG CGGACCAGGG 120  
GAGACCCCGC GCCCCCCCGG TGTGAGGCGG CCTCACAGGG CCGGGTGGGC TGGCGAGCCG 180  
ACGCGGCGGC GGAGGAGGCT GTGAGGAGTG TGTGGAACAG GACCCGGGAC AGAGGAACCA 240  
TGGCTCCGCA GAACCTGAGC ACCTTTTGCC TGTGTCTGCT ATACCTCATC GGGCGGCTGA 300  
TTGCCGGACG AGATTTCTAT AAGATCTTGG GGTGCGCTCG AAGTGCCTCT ATAAAGGATA 360  
TAAAAAAGGC CTATAGGAAA CTAGCCCTGC AGCTTCATCC CGACCGGAAC CCTGATGATC 420  
CACAAGCCCC GGAGAAATTC CAGGATCTGG GTGCTGCTTA TGAGGTTCTG TCAGATAGTG 480  
AGAAACGGAA ACAGTACGAT ACTTATGGTG AAGAAGCATT AAAAGATGGT CATCAGAGCT 540  
CCCATGGAGA CATTTTTCCT CACTTCTTTG GGGATTTTGG TTTCATGTTT GGAGGAACCC 600  
CTCGTCAGCA AGACAGAAAT ATTCCAAGAG GAAGTGATAT TATTGTAGAT CTAGAAGTCA 660  
CTTTGGAAGA AGTATATGCA GGAAATTTTG TGAAGTAGT TAGAAACAAA CCTGTGGCAA 720  
GGCAGGCTCC TGGCAACCGG AAGTGCAATT GTCCGGCAAGA GATGCGGACC ACCCAGCTGG 780  
GCCCTGGGCG CTTCCAAATG ACCCAGGAGG TGGTCTGCGA CGAATGCCCT AATGTCAAAC 840  
TAGTGAATGA AGAACGAACG CTGGAAGTAG AAATAGAGCC TGGGGTGAGA GACGGCATGG 900  
AGTACCCCTT TATTGGAGAA GGTGAGCCTC ACGTGGATGG GGAGCCTGGA GATTTACGGT 960  
TCCGAATCAA AGTTGTCAAG CACCCAATAT TTGAAAGGAG AGGAGATGAT TTGTACACAA1020  
ATGTGACAAT CTCATTAGTT GAGTCACTGG TTGGCTTTGA GATGGATATT ACTCACTTGG1080  
ATGGTCACAA GGTACATATT TCCCGGGATA AGATCACCAG GCCAGGAGCG AAGCTATGGA1140  
AGAAAGGGGA AGGGCTCCCC AACTTTGACA ACAACAATAT CAAGGGCTCT TTGATAATCA1200  
CTTTTGATGT GGATTTTCCA AAAGAACAGT TAACAGAGGA AGCGAGAGAA GGTATCAAAC1260  
AGCTACTGAA ACAAGGCTCA GTGCAAGAGG TATACAATGG ACTGCAAGGA TATTGAGAGT1320  
GAATAAAATT GGACTTTGTT TAAAATAAGT GAATAAGCGA TATTTATTAT CTGCAAGGTT1380  
TTTTTGTGTG TGTTTTTGT TTTATTTTCA ATATGCAAGT TAGGCTTAAT TTTTTTATCT1440  
AATGATCATC ATGAAATGAA TAAGAGGGCT TAAGAATTTG TCCATTTGCA TTCGGAAAAG1500  
AATGACCAGC AAAAGGTTTA CTAATACGTC TCCCTTTGGG GATTTAATGT CTGGTGTCTG1560  
CGCCTGAGTT TCAAGAATTA AAGCTGCAAG AGGACTCCAG GAGCAAAAGA AACACAATAT1620  
AGAGGGTTGG AGTTGTTAGC AATTTTATTC AAAATGCCAA CTGGAGAAGT CTGTTTTTAA1680  
ATACATTTTG TTGTTATTTT T 1701

Name: 313 Len: 5956 Check: 1318  
GGGGAGAACCA CTTCTTTGTC TGGGATTCCA ACCAGCTCTG TCCTTAGCTT GTCTCTGCCT 60  
AGCAGTGTG CCCAAAGTAA TTTTCCACAA GGTTCTGGTG CTTCCGAAAT GGTTCCTAAT 120  
CAGCCTGCTA ATTTGCTGGT TCAACCACCA TCCCAGCCAG TTCCAGAGAA CTGGGTTCCA 180  
GAAAGTCAAA AGGATCGTAA GGCAGGAAGT GCTCTTCCCG GATTTGCTAA TAGCCCTGCT 240  
GGAAGCACAA GTGTGGTGT AGTTCCACCT GCACACGGCA CCCTGGTGCC TGATGGTAAT 300  
AAGGCAAACC ATTCCAGTCA TCAGGAAGAC ACTTACGGAG CCCTAGACTT TGCCTTAAGC 360  
AGGACTTTGG AAAATCCTGT AAACGTGTAC AACCCGTCCT GGGCGCCTAA CCTTGACCGT 420  
CAGCAAAGTG TTGCCAGTCA TCCCAGACAA TCTGGGCTTG GGCGCCTTAA CCTTGACCGT 480  
TTTTATCAGC AGGTACAGAA AGATGCCACG GGCCAGCCTG GCCTCGAAAG AGCCAGCAG 540  
GAGCTGGCGC CACCCAGCA ACAGGCTTCT CCCCCACAAC TACCCAAAGC CATGTTTTTC 600  
GAGCTGTCAA ATCCAGAAAG TCTGCCCGCA CAGGGACAGG CCCAGAACTC AGCACAGTCA 660  
CCAGCAAGTC TGTTTCTGGT CGACGCGGGT CAGCAGCTGC CCCCTCGGCC TCCTCAGTCC 720



208

TCTAGCGTGT CTCTGGTGTG CAGTGGCTCC GGCCAGGCAG CTGTGCCGTC AGAGCAGCCG 780  
TGGCCACAGC CAGTGCCTGC ACTTSCCCCC GGCCACCCGC CTCAGGACCT GGCCGCTTAC 840  
TACTACTACC GGCCTTTGTA CGATGCCCTAC CAGCCTCAGT ACTCTTTGCC GTACCCACCG 900  
GAGCCTGGCG CAGCCTCCCT CTATTACCAG GATGTCTACA GCCTCTATGA GCCTCGATAC 960  
AGGCCCTATG ATGGTGTGTC GTCTGCTTAC GCCCAGAACT ACCGCTATCC CGAGCCCCAG 1020  
CGGCCAGCT CCGGAGCCAG CCACTCCTCG GAACGGCCAC CTCCAGGCA AGGATATCCT 1080  
GAAGGATACT ATAGTTCCAA AAGTGGATGG AGCAGTCAGA GCGATTACTA TGCAAGCTAT 1140  
TACTCCAGCC AGTACGATTA TGGAGATCCA GGTCACTGGG ATCGTTACCA CTACAGTGCT 1200  
AGAGTCAGGG ACCCCCGCAC CTATGACCGG AGGTATTGGT GTGATGCAGA GTATGACGCA 1260  
TACAGGAGAG AGCACTCTGC CTTCCGGGAC AGGCCCGAGA AACGTGACAA CAACTGGAGG 1320  
TACGATCCTC GCTTCACGGG GAGTTTGTAG GATGACCCCG ATCCGCACAG AGACCCTTAT 1380  
GGGGAAGAGG TGGACCGGCG CAGCGTCCAC AGCGAGCACT CGGCACGGAG CCTGCACAGC 1440  
GCACACAGCC TGGCCAGCCG CCGCAGCAGC CTCAGCTCCC ACTCGACCA GAGTCAGATT 1500  
TACAGAAGCC ACAATGTGGC TGCCGGTTCC TACGAGGCC CGCTTCTCC AGGCTCCTTT 1560  
CACGGCGATT TTGCCTACGG CACCTACCGC AGCAATTTCA GCAGTGGCCC CGGCTTCCCA 1620  
GAGTATGGCT ACCCTGCCGA CACCGTCTGG CCTGCCATGG AGCAAGTTTC ATCAAGACCA 1680  
ACTTCTCCTG AAAAATTTTC AGTGCCTCAT GTCTGTGCCA GGTTTGGCCC TGGCGGTCA 1740  
CTTATCAAAG TGATTCCCAA TCTGCCTTCA GAAGGACAGC CGGCCTTGGT GGAGGTCCAC 1800  
AGCATGGAGG COTTGCTGCA GCACACGTCT GAGCAGGAG AGATGCGGGC GTTCCCGGGA 1860  
CCCTGGCCA AAGACGACAC CCATAAGGTG GATGTCTTCA ATTTTGCACA GAACAAAGCT 1920  
ATGAAATGTT TGCAGAATGA AAACCTTAAT GACAAAGAGT CTGCAAGTCT TCTTTGGAAT 1980  
TTTATTGTTT TCTTATGCG AGAAAATGGG ACCGTGGTAG GGACCGACAT TGCGGAGCTT 2040  
CTGTTACGAG ACCACAGAAC AGTGTGGCTT CCTGGGAAGT CGCCCAATGA AGCAAACCTG 2100  
ATTGATTTCA CGAATGAGGC AGTGGAGCAG GTGGAAGAGG AGGAGTCTGG TGAGGCCAG 2160  
CTCTCTTTCC TCACTGGTGG TCCGCGCGCT GCGGCCAGCT CGCTCGAGAG AGAGACCGAG 2220  
AGGTTCAAGG AGCTGTTGCT GTATGGCGGT AAGAAGGATG CTTTGGAGTC TGCAATGAAG 2280  
AATGGCCTGT GGGGTCACGC TCTGCTACTT GCAAGTAAGA TGGACAGCCG GACACACGCC 2340  
CGAGTCATGA CCAGGTTTGC TAACAGCCTC CCAATCAACG ACCCTCTGCA GACAGTCTAC 2400  
CAGCTCATGT CCGGACGGAT GCCTGCCCGG TCCACGTGCT GTGGAGACGA GAAATGGGGA 2460  
GATTGGAGGC CGCACCTCGC CATGGTCTTG TCCAACCTGA ACAACAACAT GGACGTCAG 2520  
TCCAGGACGA TGGCTACCAT GGGCGACACT CTGGCTTCAA GGGGCTCTT GGATGCGGCC 2580  
CACTTCTGCT ACCTCATGGC CCAGGCGGGA TTTGGTGTTC ACACGAAGAA AACTACAAAG 2640  
CTTGTCTTAA TCGGATCCAA TCACAGTTTG CCAATCTTAA AGTTGCAAC CAACGAAGCA 2700  
ATCCAGAGGA CGGAAGCCTA TGAGTACGCC CAGTCCCTGG GTGCCGAGAG TGCCGGAAT 2760  
CCTAGTTTCC AGGTGTTTAA GTTCATCTAC TCCTGCCGCC TGGCGGAAAT GGGGCTGGCC 2820  
ACGCAAGCCT TCCACTACTG TGAGGCCATC GCGAAGAGCA TCCTGACGCA GCCGCACCTG 2880  
TATTCCCCGG TGTGTATCAG CCAGCTTGTG CAGATGGCTT CCCAGTTACG ACTCTTCGAT 2940  
CCCCAGCTGA AAGAGAAGCC AGAAGAGGAG TCCTTGGCCG CACCCACGTG GCTGGTTTAC 3000  
CTGCAGCAGG TGGAGCGGCA GATTAAGGAG GGGGCTGGAG TATGGCATCA GGATGGAGCC 3060  
CTCCCGCAGC AGTGTCTTGG CACTCCGAGT TCCGAGATGG AGCAGTTGGA CAGGCCAGGA 3120  
CTCAGTCAGC CAGGAGCCCT GGGGATCGCC AACCCTCTGC TGGCGGTGCC TGCACCGAGC 3180  
CCTGAGCACT CGAGCCCGAG CGTGCGGCTG CTGCCCTCAG CTCCGACAG GCTCCCTGAC 3240  
GGCCCATTTG CCAGTCTTGC CAGAGTGCCG ATGTTCCAG TGCCACTGCC CCCGGGGCCC 3300  
CTGGAGCCGG GTCTTGGCTG TGTGACCCCA GGGCCTGCAC TTGGCTTCTT GGAGCCCTCC 3360  
GGGCCTGGCC TCCCACCTGG TGTGCCACCT CTGCAGGAAA GGAGACACTT GCTCCAGGAA 3420  
GCCAGGAGCC CAGACCCAGG GATAGTGCCG CAGGAGGCGC CTGTTGGAAA CTCACTTTCC 3480  
GAGCTAAGCG AAGAAAATTT TGATGGAAAA TTTGCTAATC TGACCCCTC GAGGACGGTG 3540  
CCAGACTCGG AGGCCCCCCC AGGGTGGGAT CGTGCCGACT CGGGTCCCAC GCAGCCACCT 3600  
CTGTCTCTCT CACCCGCTCC CGAAACAAAG AGACCCGGAC AGGCAGCCAA GAAAGAAACG 3660  
AAGGAACCTA AGAAGGGTGA ATCCTGTTTC TTTGCTTGGC TACCTGGAAA GAAAAAGACA 3720  
GAAGCTTATT TGCCAGATGA CAAGAACAAA TCGATTGTTT GGGATGAAAA GAAAAACCAG 3780  
TGGGTGAATT TAAATGAGCC AGAAGAGGAG AAGAAAGCCC CGCCCCACC TCCAACCTCG 3840  
ATGCCCAAGA CTGTGCAAGC TGCCCGCCTT GCGCTCCAG GGCCTCCTGG AGCCCCCTG 3900  
AACATGTACT CTAGAAGAGC AGCAGGAACC AGAGCTCGCT ACGTTGACGT CCTGAACCCA 3960  
AGCGGGAGCC AGCGGAGCGA GCCGGCTCTC GTCCTGCGG ACTTTGTGCG TCCACTCGCG 4020  
CCACTCCCAA TTCCTTCTAA CTTGTTCTGT CCAACCCAG ATGCAGAAGA ACCACAGCTT 4080  
CCAGACGGGA CTGGCAGGGA AGGGCCTGCA GCAGCTAGGG GCCTGGCCAA TCCAGAGCTT 4140  
GCCCCAGAGC CCAAGGCTCC TGGCGACCTC CCTGCTGCAG GGGGCCCTCC CAGCGGGGCC 4200  
ATGCCCTTCT ACAACCTGTC TCAGCTGGCA CAGGCTGCG CCACCTCCGG GAGCTCAAGG 4260  
CTAGGGAGGA TTGGCCAGAG GAAGCACCTG GTGCTGAAC AGGCTTGCCC TGCTGTGAAC 4320  
TTGCACTTGG AGCCCTGACG CTGCTGTTCT CCCCAGAGAA CCCGACCGAC CTCCGCGATC 4380  
TCCGTCCCGC CCCCAGGGAG ACACAGCAGT GACTCAGAGC TGGTCGCACA CTGTGCCTCC 4440  
CTCCTCACCG CCCATCGTAA TGAATTATTT TGAAAATTAA TTCCACCATC CTTTCAGATT 4500



209

CTGGATGGAA AGACTGAATC TTTGACTCAG AATTGTTTGC CGAAAAGAAT GATGTGACTT4560  
TCTTAGTCAT TTAGGATGAT TTAAGGATAT AGTATTCCTG GTCATTTAAG AATGTTTATT4620  
CATTGAAGCC GGAGCTGTCT CTGCCACGGG AGAGCCACAT GGTCGGTAGT AACCAGGGCC4680  
TCTCCAAGCC CAGCTGTGAG TCACTGCCCA GTGAGTCCCG CGCTTCCTTT AAGGTGCTGG4740  
GAGCAAAGAG AGGCTGACTG AGGCAGACCC CAACCCCTGC TCTGCACCAT CTGGGCCCTC4800  
GCCGTGTTTG AACCTGGCTG AATGAGTGA GGGCGCTGTG TTCTCAATCA GCGCCTCCGA4860  
GGAGCCGTGG GGTTCCTTCG GCATTAGTTC ACGGTTTTTG AGAGAGGCCC TAGTTACTGC4920  
AGTGAATTTT TTTCTGTGTG CAGAGACGCT TCCAGCCTCA CTTTACTTTC TGTGGCCTGA4980  
TGAGGACCAT GGGTGATTTT GTGTACCCAA AGCGCTGGGG ACTGCCCAAC GTGTGGCCCA5040  
GTCAGTGGGA AGGAGCCCCA GAGAGCCGGG TGTCTGACAT GATGGCTCAG GGTGGTCATC5100  
CAGGTTGAAA ACTGACCGTG TGATGTTTGA TTTGGGCTTC ATTTCTGTGT TAGGAGCACG5160  
GTTAGACTCA CTGTTAAGGA AGCTGGATGC ACTTCTCTAA AAGGCTGCAC TTTCCGTGAG5220  
CACTTTTTCG GGTACAATCC ACATGACCCA CTTTCTCCCC TGGGGGACGT TGGTTCAGAG5280  
GTTGGTAGCA CTTGGGGAGA GTATCTTAAC ACAGTTTCTT GACAGCAGCT CTGGAACCTA5340  
GTATTTCTGC CCCGAGTTTT GCCACACTGA GACTTTGAGT AGCTCCTGGT GGACTCAACC5400  
CTGTTCAACT CAGAGACGGG CCTCCTCTCA CTGATGCAA GCTTTAAGG TCTCTGACT5460  
GTTCTGAAAC TCTTCGTATT CTGTCTCAAGT CTAAGAGAGAC TGAAGAAAAG ATTTAAATAC5520  
TAATAAAAT CAGTAGATAA TTTCTGTAGG TTTCTGCTGA GGAATACAAA CTGTTTGGTG5580  
TTTTAAATTT AAGTGTAGAA ATTGTAGAAT GTGGAATTAG CACAGATCCT TCCTGGCTTT5640  
CTGTTTCACT TGATCATTTA GCCCAGACCA CCCAGGATGT TTTCCAAAAT GTTCCACAGG5700  
CGTGTCCCGC TGGATCCATT TGTCCTTGTC ACTTGGAGAA AGGCCAGTCC CTGTGACGGG5760  
GCAGCCCTCT CTGTCCCTCG GTCAGCTCGT GTGAATCCTG GGACCTCTTC CGGTCGGCTC5820  
TGCCCGCTGT TCTGGGGTCG ACTGCCACGA CTTTTGATT CAGAAGCTTC CTCCAGGCGG5880  
GAGCGGCTAT TTTTCTTAAA TGAGAATTGT TACATTGCAA ATTGTTGAAT AAAATATTTT5940  
GCGCTCCTTC AAGCAC

5956

Name: 314

Len: 4073 Check: 1DED

GCTGGGCAGT GCCCATGCTG GGATGTGCTG CTGCTGTGGC TGCTGCCCCG TGCTGGCCCCA 60  
CCTAGAGCAG GGGTCACTTC GAGAGAGGAC CCGGGAAAAG GAGAAGATGA AGGAAGCCAA 120  
GGATGCCCGC TATACCAATG GGCACCTCTT CACCACCATT TCAGTTTCAG GCATGACCAT 180  
GTGCTATGCC TGTAACAAGA GCATCACAGC CAAGGAAGCC CTCATCTGCC CAACCTGCAA 240  
TGTGACTATC CACAACCGCT GTAAAGACAC CCTCGCCAAC TGTACCAAGG TCAAGCAGAA 300  
GCAACAGAAA GCGGCCCTGC TGAAGAACAA CACCGCCTTG CAGTCCGTTT CTCTTCGAAG 360  
TAAGACAACC ATCCGGGAGC GGCCAAGCTC GGCCATCTAC CCCTCCGACA GCTTCCGGCA 420  
GTCCCTCCTG GGCTCCCGCC GTGGCCGCTC CTCTTGTCT TTAGCCAAGA GTGTTTCTAC 480  
CACCAACATT GCTGGACATT TCAATGATGA GTCTCCCTG GGGCTGCGCC GGATCCTCTC 540  
ACAGTCCACA GACTCCCTCA ACATGCGGAA CCGAACCTTA TCCGTGGAAT CCCTCATTTGA 600  
CGAAGCAGAG GTAATCTACA GTGAGCTGAT GAGTGACTTT GAGATGGATG AGAAGGACTT 660  
TGCAGCTGAC TCTTGGAGTC TTGCTGTGGA CAGCAGCTTC CTGCAGCAGC ATAAAAAGGA 720  
GGTGATGAAG CAGCAAGATG TCATCTATGA GCTAATCCAG ACAGAGCTGC ACCATGTGAG 780  
GACACTGAAG ATCATGACCC GCCTCTTCCG CACGGGGATG CTGGAAGAGC TACACTTGGA 840  
GCCAGGAGTG GTCCAGGGCC TGTTCCTCTG CGTGGACGAG CTCAGTGACA TCCATACAG 900  
CTTCTCTCAG CAGCTATTAG AACGCCGAGC CCAGGCCCTG TGCCCTGGCA GCACCCGGAA 960  
CTTTGTCTAT CATCGCTTGG GTGATCTGCT CATCAGCCAG TTCTCAGGTC CTAGTGCGGA1020  
GCAGATGTGT AAGACCTACT CGGAGTTCTG CAGCCGCCAC AGCAAGGCCCT TAAAGCTCTA1080  
TAAGGAGCTG TACGCCCGAG ACAAACGCTT CCAGCAATTC ATCCGGAAAG TGACCCGCC1140  
CGCCGTGCTC AAGCGGCACG GGTACAGGA GTGCATCCTG CTGGTGACTC AGCGCATCAC1200  
CAAGTACCCG TTAATCATCA GCCGCATCCT GCAGCATTCC CACGGGATCG AGGAGGAGCG1260  
CCAGGACCTG ACCACAGCAC TGGGGCTAGT GAAGGAGCTG CTGTCCAATG TGGACGAGGG1320  
TATTTATCAG CTGGAGAAAG GGGCCCGTCT GCAGGAGATC TACAACCGCA TGGACCCCTCG1380  
GGCCCAAACC CCAGTGCCTG GCAAGGGCCC CTTTGGCCGA GAGGAACTTC TGAGGCCGCA1440  
ACTCATCCAC GATGGCTGCC TGCTCTGGAA GACAGCGACG GGGCGCTTCA AAGATGTGTT1500  
AGTGTGCTG ATGACAGATG TACTGGTGT TCTCCAGGAA AAGGACCAGA AGTACATCTT1560  
TCCTACCCTG GACAAGCCTT CAGTGGTATC GCTGCAGAA CTAATCGTAC GAGACATTGC1620  
CAACCAGGAG AAAGGGATGT TTCTGATCAG CGCAGCCCCA CCTGAGATGT ACGAGTGCA1680  
CACAGCATCC CCGGATGACC GGAGCACCTG GATCCGGGTC ATTCAGCAGA GCGTGCGCAC1740  
ATGCCCATCC AGGGAGGACT TCCCCCTGAT TGAGACAGAG GATGAGGCTT ACCTGCGGCG1800  
AATTAAGATG GAGTTGCAGC AGAAGGACCG GGCAGTGGTG GAGCTGCTGC GAGAGAAGGT1860  
CGGGCTGTTT GCTGAGATGA CCCATTTCCA GGCCGAAGAG GATGGTGGCA GTGGGATGGC1920  
CCTGCCACCC CTGCCCAGGG GCCTTTTCCG CTCTGAGTCC CTTGAGTCCC CTCGTGGCGA1980  
GCGGCTGCTG CAGGATGCCA TCCGTGAGGT GGAGGGTCTG AAAGACCTGC TGGTGGGGCC2040  
AGGAGTGGAA CTGCTCTTGA CACCCCGAGA GCCAGCCCTG CCCTTGGAA CAGACAGCGG2100  
TGGTAACACG AGTCCTGGGG TCACTGCCAA TGGTGAGGCC AGAACCTTCA ATGGCTCCAT2160  
TGAACCTCTG AGAGCTGACT CAGACTCTAG CCAGAGGGAT CGAATGGAA ATCAGCTGAG2220

210

ATCACCGCAA GAGGAGGCGT TACAGCGATT GGTCAATCTC TATGGACTTC TACATGGCCT2280  
 ACAGGCGAGCT GTGGCCGAGC AGGACACTCT GATGGAAGCC CGGTTCCCTG AGGGCCCTGA2340  
 GCGGCGGGGAG AAGCTGTGCC GAGCCAACTC TCGGGATGGG GAGGCTGGCA GGGCTGGGGC2400  
 TGCCCTGTG GGCCTGAAA AGCAGGCCAC GGAAGTGGCA TTACTGCAGC GGCAACATGC2460  
 GCTGCTGCAG GAGGAGCTAC GGCGCTGCCG GCGGCTAGGT GAAGAACGGG CAACCGAAGC2520  
 TGGCAGCCTG GAGGCGCCGC TCCGGGAGAG TGAGCAGGCC CGGGCACTGC TGGAGCGTGA2580  
 GGCCGAAGAG GCTCGAAGGC AGCTGGCCGC CCTGGGCCAG ACCGAGCCAC TCCCAGCTGA2640  
 GGCCCTCTGG GCGGCGAGAC CTGTGGATCC TCGGCGGGCG AGCCTCCCCG CAGGCGATGC2700  
 CCTGTACTTG AGTTTCAACC CCCCACAGCC CAGCCGAGGC ACTGACCGCC TGGATCTACC2760  
 TGTCATACT CGCTCTGTCC ATCGAAACTT TGAGGACCGA GAGAGGCAGG AACTGGGGAG2820  
 CCCCAGAGAG CGGCTGCAAG ACAGCAGTGA CCCTGACACT GGCAGCGAGG AGGAAGGTAG2880  
 CAGCCGTCTG TCTCCSCCCC ACAGTCCACG AGACTTTACC AGAATGCAGG ACATCCCGGA2940  
 GGAGACGGAG AGCCGCGAGC GGGAGGCTGT AGCCTCCGAG AGCTAAGGGG GCCCCTCCCC3000  
 CCTGCCCGGT GCGCCACTGA AGAACATTAC TGAGGGGGCT AACCTTGGGG ACTCCAATT3060  
 GCCAATGATG AGGGAACATT TGAAAGAACT GCAAATTGTC CTTGCCAGCT CTTGGGATCC3120  
 TTGGATACCT GGGGCCATTT AAGAAGCTAG GGGAAATTAG CCACAACACC CCCTGGGACA3180  
 TCCGAAAGCT ACACCACAGA TGCCAGTGGT TCATGCCCTT TCCCGCAAC TTTAGGAAA3240  
 TTTATTTATT TATTGTTTAT TAGTTATGGG GGGAGAGGGG AGATTAAAG GACCAGGGAC3300  
 ATGGGAACCA AGCCATAGGG ATCAGAGGGC CTTGTCCCTG AACACTACTG GGGTATATT3360  
 AGGCTCATCC ACGCAGCTGC TGGGTTCTTG CCTAACGGC CCTCCCCGCT AACATCCGTC3420  
 TTGGAGGAGA GGCTGCAGCC ACAGCACCCCT ACTGCCCTTT AAATAAAGGA GGGCTGTGG3480  
 CAGGGCCATG TCCCTTTCTC CTCTCCCCCT AACCTCTTAC TGCTGTTCTC CCTTCTCCG3540  
 TCCCTCATGG AAGCCCTGGG AGATAACCTG GCTTCCTGGA GTTGATGGAA TAAAGGTTGG3600  
 GGTGGCCATA ATGGTTTGTG GGGGGTGAGG GAAAAAACC ACAGGGACCA GAATGTTTGG3660  
 TTGTTCTTTT GTTTCTTTT TTGTACCAA GTCAACTGCA TATCTCCACA TCTCTGAAGA AGTTGAGGG3720  
 GATCGTAGGC AATTAGAGAT CGAAGCCTCC TATCTCCACA TCTCTGAAGA AGTTGAGGG3780  
 TGGGGGAGAG AATGACTTCT GCCTTCATCT GCAGTAACGG GGGGACCTAT ACTGACCTCT3840  
 TCCCCAGCCA TTTAGAAACA AGTTCTAGGG TGGGTTGGAA AATCTCCAAG AGCCCTGACC3900  
 TCATCTTCCA CCTCAGCAAC CATGACCTGA AACCTCAGCG TGAATTTGGG GGATTTTTC3960  
 GTGGAACCCCT TGCCCCCAA TGTCGACCAG CCCCCAAATG TCGAAGAATT TTCTTCTTG4020  
 CAATTTTGT GTTTAAAAA AAAATTCAGG GAAAATTA AACTTGAAC TCC 4073

Name: 315

Len: 6948

Check:

E69

GGGGCTGAAA GACACACAGA AGTCTTCATG GATATAGTTG ATACATTTAA TCATTTAATT 60  
 CCTACTGAAC ACTTAGATGA TGCCCTATTT CTAGGATCCA ACCTGGAGAA TGAAGTCTGT 120  
 GAGGATTTTA GTGCAAGTCA AAATGTCTTA GAGGACTCGC TGAAGAACAT GCTCAGCGAT 180  
 AAGGATCCTA TGCTAGGATC TGCAAGTAAC CAGTTCTGTT TGCTGTGTTT GGATAGCAAT 240  
 GATCCCAATT TCCAGATGCC TTGTTCAACA GTTGTGGTTC TTGACGATAT TATGGATGAA 300  
 GGAGTTGTTA AAGAAAGTGG CAATGATACC ATTGATGAAG AAGAAGTAT TTTACCTAAC 360  
 AGGAACCTTA GGGACAAGGT AGAAGAAAAT TCAGTGAGAT CTCCAAGAAA ATCACCTCGT 420  
 TTAATGGCAC AAGAACAAAGT AAGAAGTTTG CGACAGAGCA CTATTGCCAA GCGTTCAAAT 480  
 GCAGCACCAT TAAGTAACAC AAAAAAAGCA TCTGGGAAGA CTGTATCTAC TGCTAAAGCA 540  
 GGAGTGAAAC AACCAGAAAG GAGTCAGGTT AAAGAAGAAG TATGTATGTC ACTGAAACCT 600  
 GAGTACCATA AGGAGAATAG AAGGTGCAGC CGAATAGCG GACAAATTGA AGTGGTACCT 660  
 GAAGTATCAG TGTCTTCAAG TCATTCTTCA GTGTATCTT GTCTTGAAAT GAAGGATGAA 720  
 GATGGATTAG ATTCTAAGCA TAAGTGTAAT AATCCGGGAG AAATAGATGT GCCATCTCAT 780  
 GAATTAATTT GTTCACTTCT TTCAGAGACT TGTGTTACTA TTGGAGAAAA GAAAAATGAA 840  
 GCTTTGATGG AATGTAAAGC CAAGCCTGTT GGTAGTCCAT TGTTTAAGTT TTCAGATAAA 900  
 GAAGAACATG AACAAAATGA TTCCATTTCA GGTAAAACGG GTGAGACTGT TGTGAAGAA 960  
 ATGATAGCAA CAAGAAAAGT TGAACPAAGT TCAAAGGAGA CAGTAAATTT ATCCCATGAA1020  
 GATGACCATA TTCTTGAGGA CGCTGGATCT TCTGATATTT CTAGTGATGC TGCTTGTAACA1080  
 AATCCAAATA AGACAGAAAA CAGCCTTGTA GGTTCGCTA GTTGTGTAGA TGAAGTGAAT1140  
 GAATGTAATT TGGAATTGAA GGATACCATG GGTATTGCTG ATAAACTGA GAACACCTTT1200  
 GAAAGAAATA AAATTGAACC GTTGGGTTAT TGTGAAGATG CGGAGTCTAA TAGGCAGTTG1260  
 GAGAGCACTG AGTTTAATAA ATCAAACCTTA GAGGTGGTTG ATACTAGTAC TTTTGGACCG1320  
 GAAAGTAATA TCTTGGAATA TGCTATTTGT GATGTGCCTG ACCAAAATTC AAAACAGTTG1380  
 AATGCTATAG AAAGTACTAA AATAGAGTCC CATGAAACAG CAACCTTCA GGATGACAGA1440  
 AACAGCCAGT CAAGTAGCGT TTCTTACTTA GAGTCAAAAA GTGTAAATC CAAACATACA1500  
 AAACCTGTAA TTCATTCTAA GCAAAACATG ACCACAGATG CTCCGAAGAA AATTGTTGCA1560  
 GCAAAAGTATG AAGTAATACA TAGCAAAACT AAAGTTAATG TCAAAAGTGT GAAACGAAAT1620  
 ACTGATGTAC CAGAATCTCA GCAAAATTTT CATAGGCCAG TCAAAGTCAG AAAAAACAA1680  
 ATTGATAAGG AGCCAAAGAT TCAGAGTTGC AATTCTGGGG TTAAATCTGT GAAAAACCA1740  
 GCTCATCTG TACTGAAAA AACATTACAG GATCAAACCT TAGTACAAAT TTTCAAGCCC1800  
 TTAATCATT CTTTGAGTGA TAAGTCACAC GCTCATCCTG GTTGCTTGAA AGAACCTCAT1860

2-14

CATCCTGCAC AAACCTGGACA TGTATCACAT TCTAGCCAGA AACAGTGTCA TAAGCCTCAG1920  
CAACAGGCCC CAGCAATGAA AACCAATAGT CACGTGAAGG AAGAGCTTGA ACACCCAGGC1980  
GTTGAGCATT TTAAGGAAGA GGATAAACTG AAACCTGAGAA GAACCTACAA2040  
CCCCGCCAAA GAAGAAAGCAG CAAAAGTTTT TCTTTAGATG AGCCACCATT GTTCATTCCA2100  
GATAACATAG CTACCATAAG AAGAGAAGGC TCTGATCATA GCTCCTCATT TGAAAGCAA2160  
TATATGTGGA CTCCCAGCAA GCAGTGTGGG TTTTGCAAAA AACACATGG CAACAGGTTT2220  
ATGGTTGGCT GTGGGAGATG TGATGACTGG TTTTCATGGT ATTGTGTGG GTTAAGTCTT2280  
TCTCAAGCAC AGCAGATGGG CGAGGAAGAC AAAGAATATG TCTGTGTAAT ATGTTGTGCT2340  
GAAGAAGACA AAAAGACTGA AATACTAGAT CCAGATACTT TGGAAAACCA AGCTACAGTT2400  
GAATTCCATA GTGGAGATAA AACCAATGGAG TGTGAAAAGC TTGGATTATC AAAACACACA2460  
ACAAATGATA GAACCAATA TATAGATGAT ACAGTGAAGC ACAAGGTCAA AATTTTAAAA2520  
CGGGAGTCTG GTGAAGGCAG AAATTCATCA GACTGTAGAG ATPATGAAAT TAAAAATGG2580  
CAGCTAGCTC CTCTTCGTAA GATGGGACAA CCAGTTTTAC CTCGGAGATC CTCAGAAGAA2640  
AAAAGTGAAG AAATACCGAA AGAGTCTACA ACTGTTACTT GCACAGGAGA AAAAGCTTCA2700  
AAACCAGGTA CTCATGAGAA GCAAGAGATG AAAAGAAGA AAGTTGAAA AGGAGTGCTT2760  
AATGTACATC CTGCTGCTTC TGCTTCCAAG CCTTCTGCAG ATCAGATCAG GCAAAGTGT2820  
AGACATTCTC TCAAAGACAT TCTTATGAAG AGACTTACAG ACTCAAATTT GAAGGTACCA2880  
GAGGAAAAGG CAGCAAAAGT TGCCACAAA ATTGAGAAAG AGCTTTTCTC TTTTTTCCG2940  
GACACAGATG CTAAATATAA GAACAAATAT AGAAGTTTGA TGTTTAATTT GAAAGATCCT3000  
AAAAACAATA TATTATTTAA AAAAGTACTG AAAGGAGAAG TAACTCCTGA TCATCTTATC3060  
AGAAATGAGT CAGAAGAACT AGCTTCTAAA GAGTTAGCTG CTTGGAGACG AAGAGAAAAC3120  
AGACATACCA TAGAATGAT TGAGAAAGAG CAGAGAGAAG TGGAAACGACG GCCAATCACC3180  
AAAATAACTC ATAAAGGTGA AATAGAAATT GAGAGTATG CCCCATTGAA AGAACAGGAA3240  
GCAGCCATGG AGATTACAGG ACCAGCCGCC AATAAGTCAT TGGAGAAGCC AGAAGGATCT3300  
GAAAAACAAA AAGAGGAGGT TGAATCTATG TCTAAAGATA CCACTAGTCA ACACAGACAG3360  
CATCTTTTTG ATCTCAACTG CAAAATCTGC ATAGGTCTGA TGGCACCACC TGATAGTAT3420  
CTTTCTCCAA AAAAAGTAAA AGTTGTTGTA GGAGTAGCTC GCAAACATTC AGACAATGAA3480  
GCAGAAAGTA TAGCAGATGC ATTATCTTCA ACCTCAAATA TTTTGGCTTC TGAATCTTT3540  
GAGGAGGAGA AACAGGAGTC TCCAAAGTCA ACCTTCTCTC CTGCTCCACG TCCAGAGATG3600  
CCTGGAAGT TGAAGTTGA GTCTACCTTT CTGGCTCGAT TGAACCTTCAT CTGGAAGGT3660  
TTTATCAACA TGCCTTCTGT GGCAAAATTT GTTACCAAAG CCTATCCAGT ATCTGGCTCC3720  
CCAGAAATACC TGACAGAGGA CCTACCAGAT AGTATTCAA TAGGTGGCAG GATATCACCT3780  
CAGACAGTTT GGGATTATGT GGAAAAATA AAAGCATCAG GAACCAAGGA AATTTGTGTG3840  
GTTGCTTCA CACCAGTAAC TGAAGAAGAT CAAATTTCTT ATACTTTGCT CTTTGCATAC3900  
TTCAGTAGCA GAAAGCGCTA TGGAGTAGCT GCTAACAACA TGAAGCAGGT TAAAGATATG3960  
TACCTTATTC CTTTGGGTGC CACAGATAAA ATTCCACACC CTCTGTGCC TTTTGTGGA4020  
CCTGGGCTTG AACTGCATAG ACCTAATCTA TTGTTGGGCT TAATTATTCTG TCAGAACTG4080  
AAGCGACAGC ACAGTGCCTG TGCTAGTACT AGTCATATAG AAGTTTCTAC AGAAGAAGCA4200  
CCACCAATAG CATTGCCACC TGATAAAAA AGTAAAAATAG TATTACACAA GCAGAGAAAT4260  
CCAGAGGAAG AAAATGACTT TTTTAATTCT TTTACAACTG TTGAACCTTT AATGGAAGTC4320  
AAACCTCAGC AGAATCTTCA GGAAGACCTT CCAACAGCAG TTTCTTCTG GCGTGTGAT TGGCTGGGAG4380  
ACCAAACAGG AGCCACCAA ACCTTTAAGA TTTCTTCTG CTGTGGATGA TATACTTCAA4440  
AATCAACCTA CTACTCTGGA ATTAGCAAAT AAACCTCTT AGTCAGTATG GGAACAAAAC4500  
AGCCTTTTGG GCACCACTGG TCAAGTATAT GACCAGCCCC CAAAAATAGA GAAAACAGAT4560  
ACTGTTAAAG AAATTCATT TTTAAATGAG CAGACCAACT TTAAGTAGA TAATATTTCA4620  
AATGTGGAAG TAACTGATGG TGAAAACAAG GAGATAAAAG ACATCAGTAG TAGGGTCTC TTCCATTTCT4680  
GAATCTACAG ATAAGTCAGC AGAAATAGAA AGATCAGTAG TAGGGTCTC TACAGAAGCA4740  
GCAGGGTCTT TGACGAGTCT TAGTCTCAGA GGTAAGCCAC CAGATGTTT TACAGAAGCA4800  
TTTTTAACAA ATTTATCAAT TCAGTCAAAA CAAGAGGAAA CTGTGGAGAG TAAAGAGAAA4860  
ACATTAACAA GACAGCTTCA GGAAGATCAA GAGAATAATT TGCAAGATAA CCAGACTTCA4860  
AATAGTTCTC CATGAGATC TAATGTAGGA AAAGGAAACA TAGATGGTAA TGTGAGCTGT4920  
AGTGAAAAAC TTGTTGCTAA TACAGCGAGG TCTCCACAGT TTATCAACCT GAAAAGGGAT4980  
CCTAGGCAAG CAGCAGGACG AAGTCAGCCT GTAACACTT CAGAAAGCAA AGATGGAGAT5040  
AGTTGCCGGA ATGGAGAAAA ACACATGCTG CCTGGCCTGT CACACAACAA GGAGCACTTA5100  
ACAGAACAAA TCAATGTAGA GGAAAAGTTG TGTCTGTCAG AGAAAACTC GTGTGTTCA5160  
CAGAGTGACA ATTTAAAGT TGCACAAAAC TCACCATCAG TAGAAAACAT ACAGACTTCT5220  
CAAGCAGAAC AAGCAAAACC CTTACAGGAG GATATTTTAA TGCAAAATAT TGAACCTGT5280  
CACCCATTTC GAAGAGGATC AGCAGTAGCG ACATCTCAT TTGAAGTTGG AAACACATGT5340  
CCATCAGAAT TTCCTTCTAA AAGCATCACC ITTACTTCCA GAAGCACCAG CCCCAGAAC5400  
AGTACAAACT TTTCACCCAT GAGGCCACAG CAGCCCAACC TTCAGCATCT CAAGTCTAGC5460  
CCACCTGGAT TTCCATTTCC AGGGCCTCCT AATTTTCCCC CACAAAGCAT GTTTGGATT5520  
CCACCACATT TGCCACCTCC ATTACTTCCC CCTCCAGGCT TTGGCTTTGC TCAAAATCCC5580  
ATGGTTCCCT GGCCACCTGT TGTTCACTC CCAGGTCAG CACAGCGTAT GATGGGTCT5640

2-12

CTCTCACAAG CATCAAGGTA TATAGGCCCG CAGAATTTTT ACCAGGTTAA AGACATTCGG5700  
 AGGCCAGAAA GGGCCCATAG TGACCCTTGG GGTAGGCAAG ACCAACAGCA ACTGGATAGG5760  
 CCATTTAATA GGGGTAAAGG GGACCGCCAG AGATTTTATA GTGATTACCA CCATTTGAAA5820  
 AGAGAGCGAC ATGAAAAGGA ATGGGAGCAA GAATCTGAAA GGCATAGACG CAGAGACAGA5880  
 AGCCAAGACA AGGACAGAGA CAGAAAAGC AGGGAGCAAG GGCACAAAGA TAAAGAGAGG5940  
 GCACGGTTAT CACATGGTGA TCGAGGAACA GATGGAAAAG CAAGCAGAGA TAGTAGGAAT6000  
 GTAGACAAGA AGCCAGATAA ACCTAAAAGT GAAGACTATG AGAAGGACAA AGAACAGAG6060  
 AAAAGTAAAC ACAGAGAAGG AGAAAAGGAC AGGGATAGGT ACCACAAAGA TAGGGACCAC6120  
 ACTGACAGAA CTAAAAGCAA AAGGTAAAAT TTGCAGGCTG CTCAGGATT ACATTTAAAT6180  
 AACTGTTAAA ATGTTGTATC TTGTAAACAA AAGAAAGATT GCCTGCTAGG ATTGTGCCAT6240  
 CTTTAAAAAT TTTACTATTG GTCATTTGCA GAACAGTAAA TTCTGTGTGT TGGTACAGAG6300  
 TGCTCTGTAC CAGTGCCTAT CATCCCTTCT TCATACCAAC GGTCCCTAGT TATAGGAATT6360  
 TAATATTTTT AAAAGTTTTA CATTGCTGTA TATTCAAAGA TTTGTTTTAT TAATATGCAA6420  
 TAAAGGCTTA GAAATTTTAG TTTTATTCCT TAATTGGTAA ATATGGTTAA CTATGGAATA6480  
 TATTTACTTC CTCTAGTGAA TGTCCTTTAT ATAATGACTA ATTTGGGAGT AATGTGTGCT6540  
 CTGTAAGTTT GTTTTAAAT GCACGTGTTT TAAAGAACT GTAGAGGAGC AACAAAAATC6600  
 CAAGCAACTT CATAATCAGA TTATGCTAAT CATTTAGTTG AGCAGTTTTT GACCAAGAAT6660  
 CAGAAGCCCA AGGGGTACAT TTATTGCTTT AATCTGCACT CATTGAAGTC ATTTATTACC6720  
 ATATACTACA GCTTTGTGGT AGGCCATTAT TTCTATTTTC ATTTTGTGCT CTCAGAAAC6780  
 TTGAATACTT AAGCTTGTAC ATGATCTTGT GTTTTGTAT CCTTTTACT GTAAAAATGTA6840  
 AATATTTTAA GGGATATTTT GATTCTAAT ATGATAAAAT AATTTCTCAC CTATTTTGTG6900  
 TGTGTGACTT GAAATTCAGT AGTAAAGAA TTTCTTCTTT AAAGCTTT 6948

Name: 316 Len: 8213 Check: 1F22  
 CCCCCAGCAG AAGGGCGCGA CGGCTGCAAC ATCAGCGGTT AAATGTACA GCCTTTCATA 60  
 GGCCGGTTCA ATGCATCCGT ACTAAGATTG TTAAGGCTGA GGGTCCCTAG CCTGGGGAAA 120  
 AACGAAAGGA GGCAGAGGGT AGGGAGACGG GAAGGAAGAC AAGGAGGGTG TAGAAAACGG 180  
 GGAGAGGAGG GGGCGGGACA GCATGGGGAA GGCCTCAGGT TTAGTGAGA GATCGTGGCG 240  
 TTCCCATAGA AACGTATCCC TCCGCCCCATG ACCCGCGTGT TAGTCTCTTC AGTTCCTTCC 300  
 GCCTCGTTTT TTGGCTGTTT CCGCCAGCT CTTTTGTGCC GCGCAGAACA ACGAGATGAC 360  
 GCATGCGCAA AGCGCAGCGG CCGCATATAT AAACGCGAAC CCGGGCTCTT CCTCGTAGTG 420  
 CCGCCGGGAC TCTTGGCGGG TGAAGGTGTG TGTCAGCTTT TGCGTCACTC GAGCCCTGGG 480  
 CGCTGCTTGC TAAAGAGCCG AGCACGCGGG TCTGTCACTA TGTCGCGTTA CGGGCGGTAC 540  
 GGAGGAGGTA AGAAGCTGGA GTCCGGTGAG GGACGTTGGT GTGGGTGTAG TGAGCACTGC 600  
 GAGGCCGTAG GGTGTGCGG GAGGTGGGA GACGGTTATT CCGCGTGCGT AATGGCGGT 660  
 TAGGAGCAGC CCAGACGAAG CCGGAGGCAG CCGAGGCGGG GTGCTGAAGG GAGACGGGAT 720  
 GGCGGGTGTA CATCTCTGCC GAGTTCGGTA CTCTTGGGA TTTTGTGGC CCAATCCAGC 780  
 CTAAAGCAGG GTTGAATGA CCGTTTTGCG GTTGCTTTC TCGGAGCTGC CCGCCGGCCC 840  
 CCTCCCCC CCGCCCTCGG CCGGCCGCTG CCATTTTGGC CACATTGAGG ACCGTGGTGG 900  
 CGCATTTTCT CAGCGCTTTC CCGCCACTTC AGCGGACAGA TCTGGCCGCA GCTGTAAGAT 960  
 CGTGGTGTG TTTGAGATAG AACGAAATTG GCAGCTGTGA GCTGCATGTT CTCGTCAAAC1020  
 AATCGGTTAA ATTGCGGAAT GGGAAATGGG ACCTAATCTG CGACTGGCGG CTGGGTTTT1080  
 TTTTAGTTAT TTCCAGCGG GTTTATGGCT CTGGGGCGGG GAGCTGGAGT CTGGGCTTT1140  
 CCTGTGCTG GACGCTTTC CCGCGAGGAC GAGAGCCGGC GCAGCCCTGC TCTCCTGGCC1200  
 CGGCCCTTAC CGAGGCCCTC CCGCCGCGGA CCGCTGCGG CTGCGGGCCC GCGCGCTCCC1260  
 GGTGCGCCCC GGGCTGCGGG GACTCATGGG TGGGGCCGGG CCAGGTCCCG CCCCACGCCT1320  
 CGGTGTATCC TACCACGCGT TTCTGCTTGT GTTCGGGAGG GTCACCCCGC ATTATTTAGA1380  
 ACGTTAAGAA TTTTGTCAA AGTCTAGTTT CTCGGGGATT TGCGGACTTC ACCAGTTTTA1440  
 CGACTAAGTT TTGTCTTGA TAGAGGGCAT TAAATGTGCT TTACCCAATC TTGAGGATGG1500  
 CCCGTTTTAA GGCAAGTAAG TAATTGAAAC TTGGGCCAGA TTTTGCATAA CGTGCATTCT1560  
 TCTATTTGCG TTTTAAACA GAAACCAAGG TGTATGTTGG TAACCTGGGA ACTGGCGCTG1620  
 GCAAAGGAGA GTTAGAAAG GCTTTCAGTT ATTATGGTCC TTTAAGAACT GTATGGATTG1680  
 CGAGAAATCC TCCAGGATT GCCTTGTGG AATTGGAAGA TCCTAGAGAT SCAGAAGATG1740  
 CAGTACGAGG ACTGGATGGA AAGTAAGTAA GATGTTATGA ATCTTCTGTT CATTAAAAATA1800  
 TACTGTGGCT AGATAATGAA CTTAGTGCTA AATTTGGATT CTGAAGTCTG GAAGAGACCT1860  
 TAAATAGCTG GTCATAGTG TAAATGCTAA AGGCACACGA AGGTTAAAGA AGATAGCGGA1920  
 GATGGAGTTA GGGCTTGGTA AAGACCGCCA AAGTTTGTG GGGGGGAAGG AGTGSTTGG1980  
 AAGAGTGAGT GGTGGAAAG AGTTCTTTTT AAATCTATAA GTCCTGAATA TATTTTAAAC2040  
 TTTAGAAAT TGTTAATTTG CTTTTATTAG GGTGATTTGT GGCTCCCGAG TGAGGGTTGA2100  
 ACTATCGACA GGCATGCCCT GGAGATCACG TTTTGATAGA CCACCTGCCC GACGTCCCTT2160  
 TGATCCAAAT GATAGATGCT ATGAGTGTGG CGAAAAGGGA CATTATGCTT ATGATTGTCA2220  
 TCGTTACAGC CGGCGAAGAA GAAGCAGGTA TTTATTTTAA TAAAGGAATG GTTGGTATT2280  
 TAGTTAATCA AGTAATCTT TTATTAGCAA GGCAGAACT AGTGTTTTTC TATAAACTTG2340  
 AATGTTAATT GTACAGGTGT ATTTTACAAT TTGTGTTTAA TTAATAAAAT GTTACTATAT2400

2-13

TAATAATCAA CCTGGTCAAA ACCTTTCAGG TTTCTTCGTT TGAGTCAGTC GCCTTGATTTC2460  
AGAATGTCAC GAGCCTTATG ATATCATGCT GAGGCGCCTT GCAAATCCGA CAATTAAGAT2520  
CCTCCTAGAC CTTGAGGTGA TCAGCATAAG AGGCCAGATC CCCTCGAGTC ATCTACACCT2580  
AGCTTCACCT TATTCTTTAA AGGGCAGAAA ATTTGAGACG GTGATCGCCG TAACAGTAAA2640  
TTTGGCTTAC AATTGGGGCC CCCCTCCGGT TTAGAAAAGAG GAACACCAGA TTGACCACAT2700  
TCCCAACTAG AAAAATCTTC TTGCGTCAAT CAAGCCTCAC CTGGCTCATT TGGCTGTCAG2760  
TTTGATCGTC GTTAGATTGA AGAAAACATC TAGATGCAGC GATCGGCTAT AGATACTTCT2820  
AGATCGTCTA GATCTACTAG ACCATGGGCC AAAGAGGGTC GACCTGCAAA CTGCAAGGT2880  
TTATGTTAAA TACACATTAC AGTGTTTTAT ATTATGTAAT GCTAAGTTGT AATTCAGCTT2940  
TTAACAAATC TTTTTTTAGG TAGTAAAAAA AAAAATACTC AACAACTAAT AGGCCAGAG3000  
TTTATTTCCA AATGAGACAC TAAATTTAAA TAGTTTTGAG ATTTGATTTC AGCAGAGGCA3060  
CACAAACTCT TAAAAACGAG TTATTGCTCTG ACATTTTGTT TTTTCTCTAA CTTGAAAAAT3120  
AGGTCACGGT CTAGATCACA TTCTCGATCC AGAGGAAGGC GATACTCTCG CTCACGCAGC3180  
AGGAGCAGGG GACGAAGGTG AGATCTTGTT TAACTGAAGT CTTTCTGTAT TATTATTTAA3240  
TTCACTGGTA GTCCAACACA GAAAAAGCTC ATTATTTTTT TTGGAGACAG GGTCTTGCTC3300  
TGTCACCCGG GCTGGAGTAC AGGGGCATAA CCACGACTCA CTGCTGCCCT GATGATCTCT3360  
TGGGTTTTAAG CAGTTCTCCT ACCTCAGCCT CCCGAGTAGC TGGGACTGTA GGCCTGCCA3420  
CCATACCCAG CTAATTTTTA TTTTGTAGA AATGGTCTTG CACTGTTTCC CAGGCTGGTC3480  
TCAAGCTCCT GGGCTCAAAC GATCCTCCCG CAGTGCTGGG ATTATGGGCA TGAGCCACTG3540  
CACCGTTCCC CAGTTGAAGT CTTAACAGGC CAAAAAATAA AAAAAGTGTG GAGATGGACT3600  
TAAAGTTCTT TATTTTAGGT CAAGGTCAGC ATCTCCTCGA CGATCAAGAT CTATCTCTCT3660  
TCGTAGATCA AGATCAGCTT CACTCAGAAG ATCTAGGTCT GGTCTATAA AAGGATCGAG3720  
GTATTTCCAG TATGTAACAC TTTTTTCCCT TACTTGTTT TGGATTGTT ACATCTTATC3780  
AGTAGAGTGT CTTAAGGACA TAATTCAAAT GGATTGCTTC AGGGAATATT TGAGATGTA3840  
AAGTTTGGA TTTATGTGTA ACTTGTAACA TAAATATTAC CCTAGTTTCA CAGATGAAGA3900  
AAAGGGCTAC TAGAGATTTT AAGGCTTGTT AGGCCGTGTG GTAGACAAGG GTCCCAAGCA3960  
ATACAGCTCT ACTCAACACT CTGGGTAGGC ATGTTGCTAT AAATTTTTCT GGCTTCAGAT4020  
TGGATGATAC TAGCTCTGAA AGATGGTAAT TGATTTTCCC GACAAAAAGG CCTATTAGCA4080  
CCAGGAAAAG AGATCAGAAG CAAGTAGAAA CATTCTCAT TTTTGGAAATG ATGGGGTTGA4140  
TTTGAGACAC TGGAAAGTTG ACTAGGGCAG TAGTGTGTAC ACAGAAATGA ATGTGGATT4200  
TTTTTTTTAGA CCGTTTCAGA CCTGAAAAAA CTAAAGAACC AGAGCTTTAC TATTTGTAGA4260  
AGGCCTTAAA AGGAGATAGA ATGGAAAAAA TTGTAAAATA AGTATTGCAA CATGTAATTA4320  
ACAATATTGT TATCTGTACC AACGATAAAA CCGTGGTACG GAATGCTACT GGGAGTTAAA4380  
TTGCTGTTTA ATAGCACAAA ACCTTTAAAT GCAGGAATTC TGAATCTTGT GGTCTATTG4440  
AGAAAGCTAT GAACCATCTC TTTAGATAAA TTTAAAGAT AGATATGTCA GTCTGATTG4500  
GTTTGTCTGA CAGATTGATG GCTCTCAAAC ATAACCTGAT CCGGGAAGAA GCCTGACAAA4560  
TGGGGGGCGG CTTTCTTTTC GTCTGGCCTT ATCACCTGAA TTAGTCTCAG TTCAGGGGTC4620  
TGGTTATTTT CATCCTGCCT TAGCCTCCTG AGTAGCTGGG ACTGCCATTG TGTACCACAG4680  
TGCCCAGCTG AGGGATCTGT GCCTTAAGTG AGGTAGTGT TGTCTCCTTC ATACCAGTCT4740  
CATCAATGA AAACCATGTA TTCCCTTGG ATATTACACA GTGTTTGAGA ATGTTATACC4800  
TGTACAGAAA CTAACCAATT GAGTGATAGA AACAAAGTAA TGAAATGGG GTTCCTTATG4860  
TCTGGTAACA CTTTGTTTGA CAGTGTGTTA GACAGAATAA GGCAAGTGT GCATCTTGT4920  
TAGTTTTAGC TTCTTTATGC CTGACCAACC TAATACAGTG TTGAGTAGTT AAGGAAATTC4980  
CTTTGGACTG ATTGATATAA TTGTGTTTTT TCACTTTTTT TATTAAGATC CCCGTCGAGG5040  
TCAAGATCAA GATCCAGGTC TATTTACGA CCAAGAAGCA GGTAGGGTAA AAATTTGATT5100  
ATCCTTTTTCT AGTTATATGG CACCAATATC CAAAGAGTTC AAAGTGTTTT TAATTGTTGA5160  
AATTTTAAGT GTTAATCTA AACTTAGGTT TTAGTGGGAA CACAGTACCT TATTTGTGTA5220  
TGTCCTATTT ATTACTGGCT GACTTTCCCT GAACAAGGGA ATGTAAACT ATAGTGAGAA5280  
AGAAGCTTAT GACTTGGGG ATTATATTAA AGAGGCCCTT GTTAGAAGT ATAGGTGCAT5340  
GGAGAAGCAT CCTGAAATCG ATGTGCTTAA AGCAGAATGT AAAAGATTAA TCATGATGTA5400  
GTAATTGAGT CATTTTTTGA AAAACAGTTG TTGAAAGATT GGCTTTTGT AGCAACAAT5460  
GGTAGGATGT TTTTCAGTTT AAGTGCAGTC TGACATTTTA AGCTTAGGAC ATTTGGGGGT5520  
TTTACGGTAT TGGTGACTAC AAGAAAGGGA TTGGTTAGTA CTCTTTCTTT AATAGAATT5580  
CTCATGTTTT GACAGCCGAT CAAAGTCCAG ATCTCCATCT CCAAAAAGAA GGTAAGCTAA5640  
ATGTTTTGTT GCCAAATCTT GCCTGTCAAG TGTGGCCTCT GCAGAATTTG TTTGCTTACT5700  
GCTTTGCAGT CTTTGAGCTC TTTGGAGAA TGGTGTATA TAGATTAAAA TACTATGCTA5760  
AGTTTCTGAA ATACTTTTTT TTTTIGATT AGTAACATTA GTTTATACTT TTGCTGGAAA5820  
TACTTAGTCA TAAAATGTTA GGGTGATTAT TAAGATGTGA TTGGTCTCTT AAGTGTGGA5940  
TAGAAATTTT GGTAAGATAG ATGCCTTTT CCCACATGTA CAATAGATAC AACTCAATA6000  
GAAAAGTCTT GGAAATAGTT ACCTGCCTAG TGCTCTTTA TGACCAGAAA ACTTCAATA6060  
GTTGTCTAT TATCTAGTG CTTCTTAATG ACCAGAAGAC TTCAAATAGT TGTCAATTT6060  
AACTGCAGGT TGACCTTGCA ATTTTGACAA GGAGGATAGC CTAATTTTTT TTTTTTCTG6120  
GGATGGAGTT TTCCTCTGT CCCCAGGCTT GGAGTGCAGT GGCTCAATCT TGGCTACTG6180

2-14

CAGCCTCCGA TTCCCGGGTT CAAGCAATTA TCCTGTCTCA GCCTCTTGAG CAGTTGGGAT6240  
TACAGGCACC CACCGCCAAAG CCTGGCTAAT TTTTGTATT TCTAGTAGAG ACGGAGTTTC6300  
ACCATGTTGG CGAGGTTGGT CTAAACTCC TGATCTTAGG TGATCACCTG CCTCGGCCCTC6360  
TCCCAAAGTG CTGGGGTTAC AGGCGTGAGC CACCGTGCCCT GGCCAGGGTA GCCTAATCTT6420  
AAGCCAGGGA CAAAAGATGA ATATATGTAA GTTTCATGTC ATTTTATAGG CTTTGCTATA6480  
GGAAATTAGT ACCTTAGGCC ACCTTTGAAG TTATTGAAAG TTAGTACATG TACATGAGAG6540  
TTTCAATTGA CACTAATTGG ATCCAAACCT AATGTTTTTC TTTTAGTCG TCCCCATCA6600  
GGAAGTCCTC GCAGAAGTGC AAGTCCTGAA AGAATGGACT GAAGCTCTCA AGTTCACCCT6660  
TTAGGGAAAA GTTATTTTGT TTACATTATT ATAAGGGATT TGTGATGCT GTAAAGTGTA6720  
ACCTAGGAAA GATAATTCAA CCATCTAATC AAAATGGATC TGGATTACTA TGTAATTTCA6780  
CAGCAGTAAG GATAATATAA ATTTGTGTTGA ATGTATGAAC ATCATATGGT CTGAAAATGT6940  
GGGTTTTTAT TTGGCACATT TAAATAACAT GTTCTAACT AGATTTTTGA TTTGTGTTCA6900  
ATATTAACAC TTCTTAATTT GATATATTG AGAGTCAGAC ATTATAATTG TTAATCCTTA6960  
TTCATACATA CCTACATTCA GAATTGAAAG GTGTTGGTTA AGTCTTGAAC ATCACTATTC7020  
TATGCATAAA ACTTGGCCAG GATCTTAAGG GACTTTGAAA ATTCCATCTT ACCCTTGTAG7080  
CTCTGGGTAA GATGACCTGA GTCCCTTATG ATACAGCCTG AATGCATCAT GACAGATCCT7140  
TAGTTAGCTA ATCCGTTTGA AGTTGGTGT AGTAGGTATT GTATGATCAG TGGTGAAGCA7200  
AGTAGGACCA CTGATGTGTC TAAATGAGCA TGACAGGAAC TAAACGAAAC TGATTAATG7260  
TATGAGAAAT AGAACTGAT TTCTGGATGA TCTTTATACT AATTGCAGCT TTCAGGCTAC7320  
TAGGTGGCAT AGTGTTAATT AGGACTCCCC AAGATATGGG GAGTTCTACT CTCAATGGTC7380  
TTGTTTTCTT GCTTTCTACA TTAGTTAACC AGTTTTATAC CAAAAAATGC ATGTTTGAGG7440  
AATTGTCTGA AATTGGGACA AAACACCTTC ATGTAAACCA GCTTTGCAA ATTTTCCAGC7500  
CCAGATACTC TTCATCTATT CAAATGGATT GTCTTATTCT GAGCAAAGAC CTGTTGTTAA7560  
TCTTCAAGCT AGGTTTTGCA GTTCCCAACC ACAACATTCT TCTATTTTGC CAGGCTGGTG7620  
CAAAGTAATT AAAGATGTCA ATCAGAAATG TCAATGAGAC TAAAGTGGT TTGTAAATCT7680  
CAGCTATATT TAGCAACACT CCATGTAGCT AATATTTTTT GGTAGCATCT GGTAGACCTT7740  
AGAATGTTAC ATAGCCAGTA GGTCTTTTAT TCAAATTTTA AGTATCTTAA GAATAGTAGG7800  
GCAGTAACAG TTACTTTTGA GAGTTTTCTG GTCAAGCTTT TACCAGGCAT TCTCTAGCCT7860  
TGGTACAAAA AAAAAAAAAA CCTGCTGGTT GCGCAGATAC CTAGGCTTGT CCATTTTATG7920  
CATTTGAGCA AAGTCATTGG AGACTATTGC AACTTGGGAA TACTGGTCTG CATCAAGTTT7980  
AATTCGGTAG TTTGACCGCT AGTATGTTGG AAGTTATTG GATTGTTTTT GGAATTTTGA8040  
CTGGCTGAAT TATGGTTGGT ATAAAGTTAT GTGTATAACT GGCAGGCTTA TTTATCTGTT8100  
GCACTTGGTT AGCTTTAATT GTTCTGTATT ATTTAAAGAT AAGTTTACTC AACAATAAAT8160  
CTGCAGAGAT TGAACAAATA ATCCTGATAC TTAATTTTTG GAAGTGGGAG CTC 8213

Name: 317 Len: 572 Check: 4C  
CGCCGCATTG TGGTCCGCTT CTCTGCACTA TGTCCGGGTGG CCTCCTGAAG GCGCTGCGCA 60  
GCGACTCCTA CGTGGAGCTG AGCCAGTACC GGGACCAGCA CTTCCGGGGT GACAATGAAG120  
AACAAGAAAA ATTACTGAAG AAAAGCTGTA CGTTATATGT TGGAAATCTT TCTTTTTACAL80  
CAACTGAAGA ACAAATCTAT GAACTCTTCA GCAAAAGTGG TGACATAAAG AAAATCATT240  
TGGGTCTGGA TAAATGAAG AAACAGCAT GTGGATTCTG TTTTGTGGAA TATTACTCAC300  
GCGCAGATGC GGAAAACGCC ATGCGGTACA TAAATGGGAC GCGTCTGGAT GACCGAATCA360  
TTCGCACAGA CTGGGACGCA GGCTTTAAGG AGGGCAGGCA ATACGGCCGT GGGCGATCTG420  
GGGGCCAGGT TCGGGATGAG TATCGGCAGG ACTACGATGC TGGGAGAGGA GGCTATGGAA480  
AACTGGCACA GAACAGTGA GTGGTGAGAG CTCTGTCACT GACAAACACT CCTTTGGCCT540  
GTTGAATTTG CTGAAGAACA TCACCTAAAG TC 572

Name: 318 Len: 338 Check: 14BF  
CAATGCTTGA AGTATAAAAA GCTGAGAGTG TTCTCGGGCA GGGAGTCTCC AGAACCAGGA 60  
GAAGAAGAAT TTGGACGCTG GATGTTTCAT ACTACTCAGA TGATAAAGGC GTGGCAGGTG120  
CAGATGTAGA GAAGAGAAGG CGATTGCTAG AGAGCCTTCG AGGCCCAGCA CTTGATGTTA180  
TTCCGTGTCC TCAAGATAAA CAATCCTTTA ATTACTGTCC GATGAATGTC TGCAGGCTCT240  
TGAGGAGGTA TTTGGGGTTA CAGATAATCC TAGGGAGTTG CAGGTCAAAT ATCTAACCAC300  
NTTACCAGAA GGATGAGGAA AAGTTGTGCG CNTATGTC 338

Name: 319 Len: 451 Check: A27  
TNTTTTTGAC TTTAAATGAT AAACCTTTTAT TCTGAATATA CTGTTTTTGC ACAAGATTTA 60  
ACACAACATT TTCTGGGATT ATAAATATTT TATAACAGTA TTATACAAAT TTTTACAAAA120  
TGTTTTTATC AGGCTAGGTA ATTTTCACAA AAGTGTCAAG AGAACAAAAT AAAGGGGAGA180  
AAAGATCTAT TGTTACACAA AGCCAGTTGG CCTTTTGCAT GAATGCACAC CATTTTAATA240  
AAAGTATTCC TAAAGCATG ATCCGACACT CATAACAAC AACAAAAAAG ACAGCTTTTAC300  
TAGGTACAT TATAAATCA ACTGGCATCT ACACAAGACA GTATCCCAT AGTTTCAGTG360  
GAATTTGAGA TAACCTGTGT GAACTAGAAA TAAGGTAGAT GAAGAGTTGT CCAATTCTTC420  
NAAAACTG AATTTTTTTT CACACTCCAA N 451

Name: 32 Len: 623 Check: 213F  
GGCAGTAGCA GAACACCTGC TCTCATGAAC TTCATGATGA CAGGCTCTTG GGTGACAATT 60

215

GGTGCGACCT TTGCAGCCAT GATTGGAGCT GGAATGCTTG TACTCTCAAT ATCATATGAG120  
 CAGANCCAGG CCCAAAGCAT CTGGCTTGGA TGCTGCATTG TGGTGTGATG GGTGCAGTTG180  
 TGGCTCCTCT GACGATCTTA GGGGGGCTC TTCTCCTGAG AGCCGCATGG TACACCGCTG240  
 GTATTGTGGG AGGCCTCTCT ACTGTGGCCA TGTGTGCGCC TAGTGAGAAG TTTCTCGAAC300  
 ATGGGAGCAC CCTGGGAGT GGGCCTGGGT CTTGTCTTTT GCGTCTTCTC TGGGGTCTAT360  
 GTTTCCTCCC CCTACCTCTG TGGGCTGGTG CACTCTGTAC TCAGTGGCAA TGTATGGTGG420  
 ATTAGTTCTT TTCAGCATGT TCCTTCTGTA TGATACTCAG AAAGTAATCA AACGTGCAGA480  
 AATAACACCC ATGTATGGAG CTCCAAAGTA TGATCCCATC AATTTCTGAT TGTANATCTA540  
 CATNGATACA ATTAATATAT TTATGCGAGT TGCANTAATG CTAGCAACTT GAAGCAACAG600  
 AAAGAATGAA GTACCGCTTT TTA 623

Name: 320 Len: 359 Check: 19B0  
 GCCTACTGCA CCGCCGACCA CAACGTGAGC CCCAACATCT TCGCCTGGGT CTACAGGGAG 60  
 ATCAATGATG ACCTGTCTTA CCAGATGGAC TGCCACGCCG TGNAGTGCGA GAGCAAGCTC120  
 GAGGCCAAGA AACTGGCCCA CGCCATGATG GAGGCCTTCA GGAAGACTTT CCACAGTATG180  
 AAGAGCGACG GGC GGATCCA CAGCAACAGC TCCTCCGAAG AGGTTTCCCA GGAATTGGAA240  
 TCCGATGATG GCTGAATGAA CTTTNGACG CTTNAGCAAA GGCAGCATTG GTCACGGGGT300  
 TCAAGGGAAT TAGATTGAGT AAGCAACGTT TCAAAATTGG GATGAAAGAT TTCCAAAT 359

Name: 321 Len: 295 Check: 102E  
 CCTCACTGCT ATGGGCGGCA ACAAGAAGAA GAAGCGAGAT GGTGACGACC GCGGGCCGAG 60  
 GCTCGTTCTT AGCTTCGACC AGGAGAAGAG GCGGGAGTAC CTGACAGGCT TCCACAAGCG120  
 GAAGGTGCGAG CGAAAGAAGG CAGCCATTGA GGAGATTAAG CAGCGGCTGA AAGAGGAGCA180  
 GAGGAAGCTT CGGGAGGAGC GCCACCAGGA ATACTTGAAG ATGCTGGCAG AGAGAGAAGA240  
 GGCTCTNGAG GAGGCGAGATG AGCTGGACCG GTTGGTGACA GCAAAGACGG AGTCG 295

Name: 322 Len: 406 Check: 233D  
 CAAAAGCTG GTNGCCTCCA GACCCGACTT TTTCAACCAG GAGCACCAGA CACGGGATGT 60  
 GGACTGTGTC CTCACAACAG GAGAAGTTTT CAGGTTGCTG GNNGNAGAGG GGGCTCGGGG120  
 GGCTACCTGG AGCACGTGTT CCGGCACGCG GCCCGAGAGC TCTTTGGAAT CCATGTGGCT180  
 GAGGTTACCT ACAAACCCCT GAGGAACAAA GACTTCCAGG AGGTGACACT NGAGAAGGAG240  
 GGCCAGGTGC TGCTGCATT CGCAATGGCG TACGGCTTCC GCAACATCCA GAACCTGGTG300  
 CAGAGGCTCA AACGAGGGCG CTGCCCTAC CACTACGTGN AGGTCATGGC CTGCCCTCA360  
 GGCTGCCTGA ACGGCGGGGG GCCAGCTCCA GGTCCCAGAC AAGGCC 406

Name: 323 Len: 489 Check: 149E  
 TTTTTTTTAA CATTCTTAAG TTTCTTTATT CTTCATAGTT TTCTAATGAA CAAATAGTTA 60  
 GTTTTCCTGA GTAAGATTAT AAAAAAGTTA ACCATTCTTC CAAAAGTATA AAGACAAATA120  
 AAATGTGAC TCATAATACA AATTTTTTAC ATAGCATTAA AGGTGCAGAT ATTGACTGCC180  
 CCTCTTCATT ATGATTGGCC CACCCCTTAA AAAGACTGCA ACAGAGGATT CAATTGTCTA240  
 AAATACTTCG AAGTACAGAA ATTAATGCT TTAGCCCAT AACAATATCCC TCATCTATTG300  
 TGTGTCTAGG GAACACATGA GCAAAATCTA TCATTGCGAC TTCTACTTCA GCAATCTCTT360  
 GGCAACCAAGT GGAAGATGG TAGAAAACCT TNTCCAGTTG GGAAAGTACA TTTCCATTTA420  
 AATGTTCTCTG TGACATGCTT TTCCACCCAT TGTCTTGCTC CAGATTTTCA ACTTTCAATG480  
 AAGTCTGAC 489

Name: 324 Len: 491 Check: 213F  
 TAAGGATTAA AAACGATTTT AATTATACAC ATATGGTCAC AATTTTGCCT TAAAAAGATT 60  
 GTTGGGAAAT GTACATAAGG CCGCTTGTA ATGTACATCG TGTTACTGTT ATGTCTTATG120  
 TCCAGAGGAA AAAATGTTAT CATAAGATT TGCTCTTACT TGGGAGTAGG CTATTCAAAA180  
 ATACAGTACT CTTCTGTACA AAGAAAAAAG TCACATCACA TTTAATAAGA TGAAGAAAGC240  
 ATTGGCCCTC ATGGTAACCA AATATCTCAG TCCAATACTT TCTATTATGC ACAATACCCT300  
 GACTTCAATT GAAAGTGATC CAAATCTAG CAGGTCCATA TTAACAGTCA ACAACTATGT360  
 TATAAACAP AATGATCTCA CAATAATAAA AAGAAAGCTG GTTCATACTT CTGAAACCAT420  
 ATAAAGATAA AAAATTTTTT AAAATCACT CTCGATTTGG AGAAATAAAT TTACATTATA480  
 CAACACTATA T 491

Name: 325 Len: 546 Check: 101E  
 CGGCACGAGG GACAACGCAG CCTGATAAAC AAGTGGACGA CTTTTCTTAA GGCCAGACTG 60  
 ATTTGCTCAA TTCCTGGAAG TGATGGGGCA GATACTTACT TTGATGAGCT TCAAGATATT120  
 TATTTACTCC CCACAAGAGA TGAAAGAAAT CCTGTAGTAT ATGGAGTCTT TACTACAACC180  
 AGCTCCATCT TCAAAGGCTC TGCTGTTTGT GTGTATAGCA TGGCTGACAT CAGAGCAGTT240  
 TTTAATGGTC CATATGCTCA TAAGGAAAGT GCAGACCATC GTTGGGTGCA GTATGATGGG300  
 AGAATTCCTT ATCCACGGCC TGGTACATGT CCAAGCAAAA CCTATGACCC ACTGATTAAG360  
 TCCACCCGAG ATTTTCCAGA TGATGTCATC AGTTTCATAA AGCGGCACTC TGTGATGTAT420  
 AAGTCCGTAT ACCCAGTTGC AGGAGGACCA ACGTTCAAGA GAATCAATGT GGATTACAGA480  
 CTGACACAGA TAGTGGTGGA TCATGTCATT GCAGAAGATG GCCAGTACGA TGTAATGTTT540  
 CTTGGA 546

Name: 326 Len: 456 Check: A6C



2-16

GCACGAGTCT ACATCCAGAG GACCAAGAGC ATGTTCCAGA GGACCACGTA CAAGTATGAG 60  
 ATGATTAACA AGCAGAATGA GCAGATGCAT GCGCTGCTGG CCATTGCCCT CACGATGTAC120  
 CCCATGCGTA TTGATGAGAG CATTACCTC CAGCTGCGGG AGAAATATGG GGACAAGATG180  
 TTGCGCATGC AGAAAGGTGA CCCACAAGTC TATGAAGAAC TTTTCAGTTA CTCCTGCCCC240  
 AAGTTCCTGT CGCCTGTAGT GCCCCACTAT GATAATGTGC ACCCCAACTA CCACAAAGAG300  
 CCCCTCCTGC AGCAGCTGAA GGTGTTTTCT GATGAAGTAC AGCAGCAGGC CCAGCTTCA360  
 ACCATCCGCA GCTTCCTGAA GCTCTACACC ACCATGCCCTG TGGCCAAGCT GGCTGGCTTC420  
 CTGGACCTCA CAGAGCAGGA GTTCCGGATC CAGCTT 456

Name: 327 Len: 462 Check: 1820  
 TTTACAGGTA CACAATTTAA TATTTATAT ATGCATTTTA TATACATTAT TTTTCAACAG 60  
 CTGTATGTTT GCTATGTGGT ACAATCTTAA AAATTTGCTG ATTATAGTT TGTAAAACAA120  
 AAACCTTACA AAATCATCA AACTCGCAA ACTGATCAGA AAAGTTTCTC GGAAGACTAG180  
 AAAAAATACT TTATTGTCTT AATCATGCAT TACACAAACA AAATCTTTAG TTACACCATA240  
 AAATTAAGCA CATCTAAAA AATAAAACAG GGATAACTAG TCAAAACACA GCAGATTTCT300  
 GTATCCTGAT TCAACTATTT TTGTATCCTA TTTGTAATGC AAATAAACT TTAATCAAA360  
 TATTTTTAAA CAAGTTAGTT TTGTTTGAA TCATGGTAAA CCAAGATATA TATCTTAGGG420  
 GGAACCACT TSGTTTGTA TTTAACTAT AAAATACTCC AT 462

Name: 328 Len: 457 Check: D31  
 CAATTAAGGG CTTTGGCGGG ATTGGCTCCG CGTTTGGGCT GGTCCGCTGC TCCCCACCTA 60  
 CCAGGGTCGG ATCCGGAGCC CTTCCCGCG GGGCGGGGAC CTCCAAACAA CCGACTCCTT120  
 TCCAGCTGAA GAAACACTTA AATTCTGGAA ATAGCGACTC AGTATCATGG CCAGCAGCCT180  
 TAATGAAGAT CCAGAAGGAA GCAGAATCAC TTATGTGAAA GGAGACCTTT TTGCATGCCC240  
 GAAACAGAC TCTTTAGCCC ACTGTATCAG TGAGGATTGT CGCATGGGCG CTGGGATAGC300  
 TGCTCTCTTT AAGAAGAAAT TTGGAGGGGT GCPAGAACTT TTAATCAAC AAAAGAAATC360  
 TGGAGAAGTG GCTGTTCTGA AGAGAGATGG GCGATATATA TATTACTTGA TTACAAAGAA420  
 AAGGGCTTCG CACAAGCCAA CTTATGAAAA CTTACAG 457

Name: 329 Len: 448 Check: 77C  
 TTTTTTTTTT TTTTATGATG CACTCCAAGT GCCATATGTC TATTTTATTC TTCAGGAAAT 60  
 TATATTTTTT TTTTACAAGA GCACAACAGG AACCAGGTA AAAGAGTAAT AGATACAGCA120  
 CTCAGGATAA ATCATACTT TAAAATAATA ATAAAAAAT TTACACCTTG TCCTATATCC180  
 TGTTAGTATT TTCATAATAT GGCCATGATT GAAAAAACA AAAGCAAGCA TCTACAATTT240  
 TTTTGTATAA AGACTTTTTA TGCCAGGAAT GGATTAATTA CCAACAAAAT TTATACTAAT300  
 CAGGCTGATG TCAATCTATT TTTGTAATGT ATCATTAACA AATTTATTTT GGAAAAGATA360  
 AAAATATTGC CCTTTGATAA TAAATCTTTT TTTCCTTGA TGCAAACAGC TAGAACACCT420  
 TTTTCTTTTT CTTTTTGATA TTCTAAGA 448

Name: 33 Len: 464 Check: 1B37  
 TATTCGAAGC ACACCTTTCCA GTATGCTTAC CTTGTTACGA CTTATCTCCT CTCATAAAGC 60  
 GATGTCTAGA AATTAATTAT GTTAAGTTTA ATTTAATTTG AGGAGGCTGA CGGGCGGTGT120  
 GTGCGTACTT CATTGCTCAA TTCAATTAAG CTCTCTATTC TTAATTTACT ACTAAATCCT180  
 CCTTAGTCTT TTAGTTTCAT AAAGGGTATA GTAATGTTCT TTTATAAGAA AATGTAGCCC240  
 ATTTCTTCCC ATTTCAATTG CTACACCTTG ACCTAACGTT TTTATGTTTG ATTCTTTTGC300  
 TTACTTTAAT ACCTTTTTAG GGTGTTGCTGA AGATGGCGGT ATATAGGCTG AATTAGCAAG360  
 AGATGGTGAG GTAGAGCGGG GTTTATCCGA TTATAGAACA GGCTCCTCTA GATGGATATA420  
 AAGTACCGCC AAGTCCNTTG AAGTTTTAAG CNAATGGCTAG TAGT 464

Name: 330 Len: 373 Check: A98  
 GTTGCACATG CCGTCGGCCA TGACTGTGTA TGCTCTGGTG GTGGTGTCTT ACTTCCTCAT 60  
 CACCGGAGGA ATAATTTATG ATGTTATTGT TGAACCTCCA AGTGTCGGTT CTATGACTGA120  
 TGAACATGGG CATCAGAGGC CAGTAGCTTT CTTGGCCTAC AGAGTAAATG GACAATATAT180  
 TATGGAAGGA CTTGCATCCA GCTTCTATT TACAATGGGA GGATTAGGTT TCATAATCCT240  
 GGACCGATCG AATGCACCAA ATATCCCAA ACTCAATAGA TTCCTTCTTC TGTTCAATGG300  
 ATTCGTCTGT GTCCTATTGA GTTTTTTGAT GGCTAGAGTA TTCATGAGAA TGAACTGCC360  
 GGGCTATCTG ATG 373

Name: 331 Len: 306 Check: 2689  
 GGCGAAGAGG ACCAGGACTA TGACATCACC CAGCTCCACC GAGGTCTGGA GGCCAGGCCG 60  
 GAGGTGGTTC TCCGCAATGA CGTGGCACC ACCATCATCC CGACACCCAT GTACCGTCTT120  
 CGGCCAGCCA ACCCAGATGA AATCGGCAAC TTTATAATTG AGAACCTGAA GGGCGCTAAC180  
 ACAGACCCCA CAGCCCCGCC CTACGACACC CTCTTGGTGT TCGACTATGA GGGCAGCGGC240  
 TCCGACGCCG CGTCCCTGAG CTCCCTCACC TCCTCCGCT CCGACCAAGA CCAAGATTAC300  
 GATTAT 306

Name: 332 Len: 626 Check: FF  
 TCACGTATCG CAAGGGGCTT TTATTGGATT AGTTGCGTGG GGAATCAGT TCTTCCCGAG 60  
 AGCAGCAAGT GCAGGCATTA GTGTACAGAA TCCAGAGGAA GGGCAGGCTG CTTGGGTGAG120  
 GCCTACTCGC CTGGAGACAT GTGGAGTTCT CTAGGGGTCT GCAGCCACCT CGGGGAGCTG180



217

GGAGATTCCC TCCCAGACAC TCCTACATAT AGGAAGGTGA TGCTTCTATC TCATTCCGCA240  
CGGCTTTTTCC TGCGGTATTC CTGTAGCGCC TTCTCCGCCA CTGTGTCCAT AAACCTAGGG300  
TTATCCTTAG AGACTTCTTC TGGTAACACC ACTGTGATGG GGTCAGAGTC AAACAGCTTC360  
ACCACCACCT CAGTGACACG GGANGGGACC TCTGAGTCAG AGGAATGGGT GGTACAGGTG420  
GAGACCCGAA GGTAAGTACT TGTCTTCGNC CTGTGTGAAG GTTAGCCAAAC TGGGAAACCC480  
AGTTTGAAGT GGTCGTTTCCAG CTTGCTCCAG CAGGGAATGA GGTGTGAGC ATCTTTTCGAC540  
TGGAAAGACT GCAGCAGTTC CCTGTANTGC TCTGTNAGCC TTTCGGCACC TGGAGCGAGT600  
CGTTAAGTCC TGGGCAGGTT AGCTGG 626

Name: 333

Len: 4898 Check: FCC

GAATTCCGGC TGCCAGGGGC GTCCGGTTAC ATCCCCGCCT TCCTCTGTCC TGGCCGCGGG 60  
ACCGGGTTTG CGGGACCGCA GTTCGGGAAC ATGTTGGCCT CGAGCAGCCG GATCCGGGCT 120  
GCGTGGACGC GGGCGCTGCT GCTGCCGCTG CTGCTGGCGG GGCCTGTGGG CTGCCTGAGC 180  
CGCCAGGAGC TCTTTCCCTT CGGCCCGGAC CAGGGGGACC TGGAGCTGGA GGACGGGGAT 240  
GACTTCGTCT CTCCTGCCCT GGAGCTGAGT GGGGCGCTCC GCTTCTACGA CAGATCCGAC 300  
ATCGACGCAG TCTACGTAC CACAAATGGC ATCATTGCTA CGAGTGAACC CCCGGCCAAA 360  
GAATCCCAC CCGGGCTCTT CCCACCAACA TTCGGTGCAG TCGCCCTTT CCTGGCGGAC 420  
TTGGACACGA CCGATGGCCT GGGGAAGGTT TATTATCGAG AAGACTTATC CCCCTCCATC 480  
ACTCAGCGAG CAGCAGAGTG TGTCCACAGA GGGTTCCCGG AGATCTCTTT CCAGCCTAGT 540  
AGCGCGGTGG TTGTCACTTG GGAATCCGTG GCGCCCTACC AAGGGCCCCAG CAGGGACCCA 600  
GACCAGAAAG GCAAGAGAAA CACGTTCCAG GCTGTTCTAG CCTCCTCTGA TTCCAGCTCC 660  
TATGCCATTT TCCTTTATCC TGAGGATGGT CTGCACTTCC ATACGACATT CTCAAAGAAG 720  
GAAAACAACC AAGTTCCTGC CGTGGTTGCA TTCAGTCAAAG GTTCAGTGGG ATTCTTATGG 780  
AAGAGCAACG GAGCTTATAA CATATTTGCT AATGACAGGG AATCAATTGA AAATTTGGCC 840  
AAGAGTAGTA ACTCTGGGCA GCAGGGTGTG TGGGTGTTG AGATTGGGAG TCCAGCCACC 900  
ACCAATGGCG TGGTGCCTGC AGACGTGATC CTCGGAAC TG AGATGGGGC AGAGTATGAT 960  
GATGAGGATG AAGATTATGA CCTGGCGACC ACTCGTCTGG GCCTGGAGGA TGTGGGCACC1020  
ACGCCCTTCT CCTACAAGGC TCTGAGAAGG GGAGGTGCTG ACACATACAG TGTGCCCAGC1030  
GTCTCTCCCC CGCGCCGGGC AGCTACCGAA AGGCCCTTG GACCTCCAC AGAGAGAAC1140  
AGGTCTTTCC AGTTGGCAGT GGAGACTTTT CACCAGCAGC ACCCTCAGGT CATAGATGTG1200  
GATGAAGTTG AGGAAACAGG AGTTGTTTTT AGCTATAACA CGGATTCCCG CCAGACGTGT1260  
GCTAACPAACA GACACCACTG CTCGGTGCAC GCAGAGTGCA GGGACTACGC CACGGGCTTC1320  
TGCTGCAGCT GTGTGCTGG CTATACGGGC AATGGCAGGC AATGTGTTGC AGAAGGTTC1380  
CCCCAGCGAG TCAATGGCAA GGTGAAAGGA AGGATCTTTG TGGGGAGCAG CCAGGTCCCC1440  
ATTGTCTTTG AGAACAATGA COTCCACTCT TACGTAGTAA TGAACACCG GCGCTCCTAC1500  
ACAGCCATCA GCACCATTC CGAGACCGTT GGATATTCTC TGCTTCCACT GGCCCCAGTT1560  
GGAGGCATCA TTGATGGAT GTTTCAGTG GAGCAGGACG GATTCAAGAA TGGGTTCAGC1620  
ATCACCGGGG GTGAGTTCAC TCGCCAGGCT GAGGTGACCT TCGTGGGGCA CCCGGGCAAT1680  
CTGGTCATTA AGCAGCGGT CAGCGGCATC GATGAGCATG GGCACCTGAC CATCGACACG1740  
GAGCTGGAGG GCGCGGTGCC GCAGATTCCG TTCGGCTCCT CGGTGCACAT TGAGCCCTAC1800  
ACGGAGCTGT ACCACTACT CACCTCAGTG ATCACTTCCT CCTCCACCCG GGAGTACACG1860  
GTGACTGAGC CCGAGCGAGA TGGGGCATCT COTTCACGCA TCTACACTTA CCAGTGGCGC1920  
CAGACCATCA CCTTCCAGGA ATGCGTCCAC GATGACTCCC GGCCAGCCCT GCCCAGCACC1980  
CAGCAGCTCT CGGTGGACAG CGTGTTCGTC CTGTACAACC AGGAGGAGAA GATCTTGCGC2040  
TAGCTTTTCA GCAACTCCAT TSGGCTGTG AGGGAAGGCT CCCCTGATGC TCTTCAGAAT2100  
CCCTGCTACA TCGGCACTCA TGGGTGTGAC ACCAACGCGG CCTGTGCCCC TGGTCCCAGG2160  
ACACAGTTCA CCTGCGAGTG CTCCATCGGC TTCCGAGGAG ACGGGCGAAC CTGCTATGAT2220  
ATTGATGAAT GTTCAGAACA ACCCTCAGTG TGTGGGAGCC ACACAATCTG CAATAATCAC2280  
CCAGGAACCT TCCGTGCGA GTGTGTGGAG GGCTACCAGT TTTTCAGATGA GGGAACGTGT2340  
GTGGCTGTG TGGACCAGCG CCCCATCAAC TACTGTGAAA CTGGCCTTCA TAACTGCGAC2400  
ATACCCACAG GGGCCCACTG TATCTACACA GGAGGCTCCT CCTACACCTG TTCCTGCTTG2460  
CCAGGCTTTT CTGGGGATGG CCAAGCCTGC CAAGATGTAG ATGAATGCCA GCCAAGCCGA2520  
TGTCACCCCT ACGCCTTCTG CTACAACACT CCAGGCTCTT TCACGTGCCA GTGCAAACCT2580  
GGTTATCAGG GAGACGGCTT CCGTTGCGTG CCCGGAGAGG TGGAGAAAAC CCGGTGCCAG2640  
CAGCAGCGAG AACACATTCT CGGGGCGAGG GGGGCGACAG ACCCACAGCG ACCCATTCCT2700  
CCGGGGCTGT TCGTTCCCTGA GTGCGATGCG CACGGGCACT ACGCGCCAC CCAGTGCCAC2760  
GGCAGCACCG GCTACTGCTG GTGCGTGGAT CGCGACGGCC GCGAGGTGGA GGGCACAGG2820  
ACCAGGCCCC GGATGACGCC CCCGTGTCTG AGTACAGTGG CTCCCCGAT TCACCAAGGA2880  
CCTGCGGTGC CTACCGCCGT GATCCCCTTG CCTCCTGGGA CCCATTTACT CTTTGCCCAG2940  
ACTGGGAAGA TTGAGCGCCT GCCCTGGAG GGAAATACCA TGAGGAAGAC AGAAGCAAAG3000  
GCGTTCCTTC ATGTCCCGGC TAAAGTCATC ATTGGACTGG CTTTGTAGTG CGTGGACAAG3060  
ATGGTTTACT GGACGGACAT CACTGAGCCT TCCATTGGGA GAGCTAGTCT ACATGGTGA3120  
GAGCCAAACA CCATCATTAG ACAAGATCTT GGAAGTCCAG AAGGTATCGT TGTTGATCAC3180  
CTTGGCCGCA ACATCTCTG GACAGACTCT AACCTGGATC GAATAGAAGT GCGGAAGCTG3240

218

GACGGCACGC AGCGCCGGGT GCTCTTTGAG ACTGACCTGG TGAATCCCAG AGGCATTGTA3300  
ACGGATTCCG TGAGAGGGAA CCTTTACTGG ACAGACTGGA ACAGAGATAA CCCCAGATT3360  
GAAACTTCCT ACATGGACGG CACGAACCGG AGGATCCTTG TGCAGGATGA CCTGGGCTTG3420  
CCCCAATGGAC TGCATTTCGA TGCCTTCTCA TCTCAGCTCT GCTGGGTGGA TGCAGGCACC3480  
AATCGGGCGG AATGCCGTGA CCCCAGTCAG CCCAGCAGAC GCAAGGCTCT CGAAGGGCTC3540  
CAGTATCCTT TTGCTGTGAC GAGCTACGGG AAGAATCTGT ATTTACACAGA CTGGAAAGATG3600  
AATTCCGTGG TTGCTCTCGA TCTTGCAATT TCCAAGGAGA CGGATGCTTT CCAACCCAC3660  
AAGCAGACCC GGCTGTATGG CATCACCACG GGCCTGTCTC AGTGTCCGCA AGGCCATAAC3720  
TACTGCTCAG TGAACAATGG CGGCTGCACC CACCTATGCT TGGCCACCCC AGGGAGCAGG3780  
ACCTGCCGTT GCCCTGACAA CACCTTGGGA GTTGACTGTA TCGAACGGAA ATGAAGACAA3840  
GAGTGCCTTA TTTCTTTTCC AAGTATTTCA CAGCAACACT CTAATTGAAG CAACTTGGTC3900  
CAGATTGAAA AGTGTCTCTT GGCTGAGTGG CCCTAGGGCC CAGACCCAGC CCAGCCTGAG3960  
CCCCAACAAAC AACTTTTCCC TCACTGTCTC CCAAAACATG CACCTTGGAC TTCTCTAATA4020  
GAAAAGTCTC CACCCCTACA CAAGGACAGA ACCCTCCACC CCTACCCCCA ACCCTCAGAC4080  
AGACTTATAC ACCCCTGAGT GAGGATTACA TGCCCATCCC AGTGTCTTAG GACCTTTTCC4140  
CAATACTAGC CCCCAGTGG TGAACAGAAC CTCCCAAATT TGAGTTGCAC CCTTCCCTGT4200  
GGCCTTATGA GCTCAGCCTC GCTTTGAGGT ACCCAGCGTC CTGTGAGCTC CTTGACCTAT4260  
GAGCTGGGGC CTGACTAGGA AAAGTTGGGA GTTAAGGAGG AAATTAGCAT TCCTTAATGT4320  
TTTGTCTTGG TGCTCTGAAT TTCTTCTTTA TTATAGTCCT ATAGTTTAC TCCTCAGTTC4380  
CTCACCATCA TCATCTTGTC TAAGACCCCC ATTATAATAT TCATGCGCTG CTTTTCATC4440  
AAAACCTACC CTGTCTTAGA GATCTATGGG CATTTGGTGG ATGATAATGA GCAGCCCCCTC4500  
CCAGATAGAA TGTCAATATT TGAGCAGTAG GATATTGGCA TTTGTAGTT AAAGGCTTAA4560  
ATCAAAAGAA TGTCCAATGG TAGGAATTTT AAGGTGTAGG TCAGATATTT GAGAATAGGG4620  
GATTTTCTTG ATGTGCCCTA AATTATACCA AAGATTACTA ATTATCTCT TTTGCCCAA4680  
ATACTTGCAT CCAAGGTTCT AGTCTCTGTT GCTGTGCTGG TCTTTAGCCC CACTGCTGGC4740  
ACTGATGTCC CTCCTTTTTC ACGGAGACCT ATCTGAGGTA CAGGATGGGG CTGGCACCAG4800  
ATGATGTCCC ACCACAGTCC CTCACCTCCG GCCTCCACAT GACAGAACCA ATTTACACTC4860  
AACCATGACC TCACCCCTCC TTGGTTTCTC CCTCCCCG 4893

Name: 334 Len: 429 Check: 74D  
TGTTTCGGAG GCNAGCGGG CNNGNCNTGT GACAACTGCC NGTAGACCTG GGGCTGCTGA 60  
ACCCAGTCCC GATGGCACCA CCGGCCACAC CTACAACCAG TATACACAGA GATACATCA120  
GAGAACAAAC ACTAACGTAA ATTGCCCAT TGAGTGCTTC ATGCCGCTAG ATGTGCAAGC180  
TGACAGAGAC GATTCTCGAG AGTAATCTTT CCAGCCCCAC CCGTACAAGT GTNTNNCTAC240  
CAAGGTCAAT CCACACCCCA GTGATGTTAG CAGACCCCTC ATCTTTGAGT GGTCTTTTCA300  
CCCTTAAGCC TTTTGCTCTG GAGCCATGTT CTCAGCTTCA GACAATTTAC AGCTTCTCCA360  
AGCATCGCCC GTGGATTGTT TTGAGACTTC TCTCCTCAAT GGTGACAGTT GGTACCTGT420  
TCTGCTTCA 429

Name: 335 Len: 411 Check: 55  
CCCCACGACC CATCTGCAAA ATCCCGGAAG AGCCAAGGAG GGGGACACAG GCAGTACCAG 60  
TGGCACCAGC AGCCACACCAG CCCCCTGCGG CCCTGTACCT TGTATCTCCC TTTCCCCAGG120  
GCCTGTGCTT GAACTGAGG CACTGCACAC CCCCACACTC ATGACCACAC CCTCCCTAAC180  
TCCTTTCAAC CCCAGCCTGG TCTTCACCTA CCCCAGCACT CCTGAGCCTT GTGCCTCAGC240  
TCATCGCAAG AGTASCAGCA GCAGCGGAAG ACCCATCCTC TGACCCCTT GGTCTCTCAA300  
CCCTCCTCGC TTTGTGAGGC GCCTGAGCCC TACTCCCTGC AGATGCCACC CTTAGCCAAT360  
GTCTCCTCCC CTTCCCCCAC CGGTCCAGCT GGCCTGGACA GTATCCCAGA A 411

Name: 34 Len: 308 Check: 3A1  
CCGCGAGACG TCGGTGAGGT GGGACTGGTG ACTCTCAGAA GCTCCTCGGT GCACTTTTGT 60  
CTCGGCAGAC TGGGAGGGAG CAGGCGCTCG CGGAANACCG TCACTTACTG GGTGTGTCA120  
CCTGTTTCCA GCAAGTTTG GTCTTTTGGG CAGAAGCCTG TTGACCAACT GTGGGCCACC180  
ACAGTCTTGC ACAGAAAGGT GGCACCCGGA GTGGTTTGTG GCCCTCACTA CCAAAGCCAC240  
GGGAAGCCCA ATTTCCAGTA GGATTGCCGG TTTTGAATTC TTTTCCCAA AGCNAAATNG300  
AGTTTNAC 308

Name: 35 Len: 435 Check: 21E  
AAAAAGCCAT TAATATTCAA ACAAAGGAAT CACATTTTAA AAACCCCTATA CATAAGAAAC 60  
AGCCTCCAGG AACATTCAAG CAGCAGTCAG GAGGGAAAAA TGTTCATAA GCCCAGTTTT120  
CTTCAAAGTA TGCCAGAGAA TACAATCCAA TTCACTGCTA CAATTCATAG AATTNGTCAG180  
TGTTTTCTTG AGACGCTGAG GTTCACTGTT GGCAGTTTCC AAGTGGCCGC ATGTGCTGCT240  
CAGAAAGGCC AGCGNAGACN AGCTGCCCCG AAGAACTTTC ACTGCTGGAA AACTGCTCCG300  
CTCCCAAGGA AAGCCCAAGG AAGGCTGGGC CGTGGGCTCA CAACTTCATC CTTTCTCCAG360  
GGTCATCCAG CTCCACGTCA CTTGAGGTCA ATGTGCTCNT CCACAGGGAA GCTCACCATC420  
CTTTGCCATC CCAGG 435

Name: 36 Len: 505 Check: 2510  
CCGGCAACGT ACACCTTTTT TATTAAGGGG CTTCTATTGT GTTCTGAAGT TCCATCTCTG 60

AATAACTGGT TTGANCCAAT TTGGTTGGG  
 Name: 42 Len: 411 Check: 19A6  
 TCTTCCTGGC CAATGCGTCT CGGGCGCGCT CAGAGCAGTT CATCAACCTG CGAGAGGTCA 60  
 GCACCCGCTT CCGCCTGCCA CCGGGGGAGT ATGTGGTGGT GCCCTCCACC TTCGAGCCCCA 120  
 ACAAGGAGGG CGACGTTTCG TGTGCGCTTC ATTCTCAGAG AAGAGTGCTG GGA CTGTGGA 180

220

GCTGGATGAC CAGATCCAGG CCAATCTCCC CGATGAGCAA GTGCTCTCAG AAGAGGAGAT240  
 TGACGAGAAC TTCAAGGCCC TCTTCAGGCA GCTGGCAGGG GAGGACATGG AGATCAGCGT300  
 GAAGGAGTTG CGGACAATCC TCAATAGGAT CATCAGCAA CACPAAGACC TGCGGACCAA360  
 GGGCTTCAGC TAAGAGTCGT GCCGCAGCAT GGGTGAACCT CATGGATCGT T 411

Name: 43 Len: 455 Check: 1D9D  
 TTCTCATTAA CAACTCCCAC GGTGGGAAGA CAGTTTATCA CTTAGTCTTA TACTTTTGGA 60  
 CAGCTCACTT CTGCACAATT GAGATACATT TGAAGAGTAG TCTGTTTGCA ATCTGTCATA120  
 TTTTAATCCA CAAACAAGGA GAACTCCCTA AATTGAACTT GTCTAAATCC AGCTTTCCTC180  
 AACCTCCTTC CTAAGACTTA GACAAATTAG TCATTGAGAG CATCTCCTGA TTAAATGTTT240  
 CCTAGAAGCA GAGCCATCAA CAGAGCTGGT GTCACCTGAA CAAGAATGGG AGGTTCCAAA300  
 GGGAACTACT TCGAGCTTTCA TGCAAAGTCT AACTCAGGAG GGAACAGGCC TCCCTCCTGG360  
 CTGAAGAGAT GCTCCTTATC CTGGACAGCA ATCAGCTGGC TCTCCTTAAG AAATGGGTGG420  
 GTCAAAGGGC NACATGAGCT CATGAAATGT TCAST 455

Name: 44 Len: 312 Check: 7C1  
 CTCACNTGTA GNAGATATGG AGCGGAGAGA CGTTGACTTT GAGCTTATCA AAGTAGAAGG 60  
 CAAAGTGGGG GGCAGGCTGG AGGACACTAA ACTGATTAAG GCGGTGATTG TGGACAAGGA120  
 TTTTCAGTCAC CCACAGATGC CAAAAAAGT GGAAGATGCG AAGATTGCAA TTCTCACATG180  
 TCCATTTGAA CCACCCAAAC CAAAAACAAA GCATAAGCTG GATGTGACCT CTGTGCAAGA240  
 TTATAAAGCC CTTTCAGAAAT ACCGAAAAGG AGAAATTTGA AGAGATGATT CAACAAATTA300  
 AAGAGACTGG TT 312

Name: 45 Len: 600 Check: 1915  
 TCCGGAGCGC ACGTCGGCAG TCGGCTCCCT CGTTGACCGA ATCACCAGACC TCTCTCCCCA 60  
 GCTGTATTTT CAAAATGTCT CTTTCTAACA AGCTGACGCT GGACAAGCTG GACGTTAAAG120  
 GGAAGCGGGT CGTTATGAGA GTCGACTTCA ATGTTCTTAT GAAGAACAAC CAGATAACAA180  
 ACAACCAGAG GATTAAGGCT GCTGTCCCAA GCATCAAAT CTGCTTGGAC AATGGAGCCA240  
 AGTCGGTAGT CCTTATGAGC CACCTAGGCC GGCCTGATGG TGTGOCCTATG CCTGACAAGT300  
 ACTCCTTAGA GGCAGTTGCT GTAGAACTCA AATCTCTGCT GGGCAAGGAT GTTCTGTTCT360  
 TGAAGGACTG TGTAGGCCCA GAAGTGGAGA AAGCCTGTGC CAACCCAGCT GCTGGGTCTG420  
 TCATCCTGCT GGAGAACCTC CGCTTTTCATG TGGAGGAAGA AGGGAAGGGA AAAGATGCTT480  
 CTGGGAACAA GGTTRAAGCC GAGCCAGCCA AAATAGAAGC TTTCCGAGCT TCACCTTCCA540  
 AGCTAGGGGA TGTCTATGTC AATCATGCTT TTGCACTGTC ACAGAGCCAC AGCTCCATGG600

Name: 46 Len: 598 Check: 154B  
 TTATGCCAAA AATGGAGAAC TACTTAAATA TATTCGCAAA ATCGGTTTCT TCGATGAGAC 60  
 CTGTACCCGA TTTTACACGG CTGAGATTGT GTCTGCTTTA GAGTACTTGC ACGGCAAGGG120  
 CATCATTCAN AGGGACCTTA AACCAGGAAA CATTTTGTTA AATGAAGATA TGCACATCCA180  
 GATCACAGAT TTTGGAACAG CAAAAGTCTT ATCCCCAGAG AGCAAACAAG CCAGGGCCAA240  
 CTCATTGCTG GGAACAGCGC AGTACGTTTC TCCAGAGCTG CTCACGGAGA AGTCCGCCTG300  
 TAAGAGTTCA GACCTTTGGG CTCTTGATG CATAATATAC CAGCTTGTGG CAGGACTCCC360  
 ACCATTCGGA GCTGGAAACG AGTATCTTAT ATTTCAGAAG ATCATTAAGT TGGAAATATGA420  
 CTTTCCAGAA AAATCTTCC CTAAGGCAAG AGACCTCGTG GAGAACTTT TGGTTTTAGA480  
 TGCCACANAG CGGTTAGGCT GTGAGGAAAT GGNAGGATAC GGACCTCTTA AAGCACNCCC540  
 GTNCTTCGAG TCCGTCACGT GGGAGANCTG CACCAGCGAC GCCTCCGAAG CTCACCGT 598

Name: 47 Len: 485 Check: 2256  
 AAATTCAGAA AGGAGTATTT GAGGTGAAAT CCACAAATGG GGATACCTTC TTAGGTGGGG 60  
 AAGACTTTGA CCAGGCCTTG CTACGGCACA TTGTGAAGGA GTTCAAGAGA GAGACAGGGG120  
 TTGATTTGAC TAAAGACAAC ATGGCACTTC AGAGGGTACG GGAAGCTGCT GAAAAGGCTA180  
 AATGTGAAT CTCTCATCT GTGCAGACTG ACATCAATTT GCCCTATCTT ACAATGGATT240  
 CTTCTGGACC CAAGCATTTC AATATGAAGT TGACCCNGTG CTCAATTTGA AGGGATTGTC300  
 ACTGATCTAA TCAGAAGGAC TATCGCTCCA TGCCAAAAAG CTATGCAAGA TGCAGAAGTC360  
 AGCAAGAGTG ACATAGGAGA AGTGATTCTT GTGGGTGGCA TGACTAGGAT GCCCAAGGTT420  
 CAGCAGACTG TACAGGATCT TTTTGGCAGA CCCCAGTAA AGCTGTCAAT CCTGATGANG480  
 CTGNG 485

Name: 48 Len: 293 Check: 744  
 AAAGAAATGA ATTGCAGCAG ACTATTAATA AATTAACCAA GGACCCTGGA AGCTGAACAA 60  
 CAGAAGTTGT GGAATGAGGA GTTAAAATAT GCCAGAGNAN NGAAGCGATT GAAACACAAT120  
 TAGCAGAGTA TCACAAATTG GCTAGAAAAT TAAACTTAT TCCCTAAAGG TGCTGAGAAT180  
 TCCAAAGGTT ATGACTTTGA AATTAAGTTT AATCCCCGAG GCTGGTGCAA CTTGCCTTGT240  
 CAAATACAGG GCNCAAGNTT TATGTACCCC CTTAAGGAAC NCCCAATGG AAA 293

Name: 49 Len: 632 Check: A95  
 GGCACAGAAT CAAAAGTTTC TGTGGGAATT TTAATATAA AACTTGAAAT GTATCCACCA 60  
 CTCAATCAAA CGTTATCTCA AGAAGTAGTG AACACACAGC TTGCTTTGGA ACGTCAGAAA120  
 ACTGCAGAGA AAGAGCGATT ATTTCTTGTA TATGCTAAGC AGTGGTGGAG AGAATATTTG180  
 CAAATTCGAC CCTCACACAA CTCACGACTG GTTAAGATTT TTGCACAGGA TGAAAATGGG240

221

ATAAATAGAC CAGTCTGTTC CTATGTTAAA CCACTTCGAG CTGGACGGCT TCTTGATACT300  
 CCAAGGCAAG CAGCAAGATT TGTTAATGTC CTTGGTTATG AACGAGCCCC TGTTATTGGA360  
 GGAGGAGGTA AACAGGAGCA GTGGTGCAC CTGCTGGCCT TTCTCTGTAG AAACAAGGGT420  
 GACTGTGAAG ATCAGGCTAA CCTTCTGTGC AGCCTTCTTC TTGGATATGG ATTAGAAGCC480  
 TTTGTTTGTG TTGGGACCAA GGCAAAAGGA GTACCTCATG CATGGGTTAT GACTTGTGGA540  
 ACTGATGGGG GCATCACTTT TGGGAGAGTT TANAGGACCC AGTACCTCCC TAAACCTACN600  
 AATCCCGATG AACCTCCANT GCTGAACAGN CC 632

Name: 5 Len: 603 Check: 1CFB  
 AGGACGACCT CCACTTCATA NAAAACGAGT AGAAGATGAG AGTCTGGATA ACACATGGCT 60  
 AAACAGGACT GACACCATGA TTCAGACTCC TGGCCCCCTG CCAGCACCAC AACTCACATC120  
 CACTGTAATG CGGGAGAAAC GTCCGCCCCAT GGGAGACCAG ATTCAGAAGC CTGAGTCTGA180  
 ACATGGTCTT GAACAGACT TTTTACACAA TCCTCAGATG CAGATCTCTT GGTTAGGCCA240  
 GCCGAAGTTA GAAGACTTAA ATCGGAAGGA CAGAACAGGA ATGAACATA TGAAAGTGAG300  
 AACTGGAGTG AGGCATGCTG TTCGGGGTCT AATGGAGGNA GATGCTGAGC CCATCTTTGA360  
 AGATGTGATG ATGTCATCCC GAAGCCAGTT AGAAGATATG AATGGAAGAA TTTGGAGGAC420  
 ACCATGGGTT ATTGATCTGC CTCCCATCAA GAAATCGGCG AGANGAGAGC TGAGCTAAGG480  
 CCCAGACTTC CTTTGACTCT GCCANTTATC CATNGGAGNT GGATTCANGG ATTTGGGAAT540  
 GCCCTATGGT TCCTGAAGTN CTGGGAGGAA ATTTTCCAAA CCTNGGACCC CTATTAATTT600  
 TGG 603

Name: 50 Len: 582 Check: 181  
 CCAAGCCATC CAAAATCCCC AAGCCCCCGA AGCCCCCTAA GCCCCCAAGG CCCCCCAAAA 60  
 CGCTGAAGCT CAAAGATGGA GGCAAGAAGA AAGGGAAGAA GTCCCGGGAG TCAGCCTCAC120  
 CCACCATCCC CAACCTGGAC CTGCTCGAAG CCCACACCAA GGAGGCACTG ACCAAGATGG180  
 AGCCGCCCCA GAAGGGCAAG GCCACAAAGA GTGTCTGAG TGTGCCAAC AAAGATGTGG240  
 TTCACATGCA GAATGATGTG GAGAGGCTGG AAATTCGAGA GCAAACCAAG AGCAAGTCAG300  
 AGGCCAAGTG GAAGTACAAG AACAGCAAAC CTGACTCCTT ACTGAAGATG GAAGAGGAGC360  
 AGAAGCTAGA GAAGTCGCCT CTAGCTGGAA ACAAGAGCAA TAAGTTCTCT TTTTCTTTCT420  
 CCAACAAGAA ACTCCTCGGC TCCAAGGCTC TCAGGCCCCC GACGAGCCCT GGTGTGTTTC480  
 GGGCCTTGCA GAACCTCAAG GAGGACAAGC CCAAGCTCGT GCGGGATGAG TATGAGTACG540  
 TGTCGGATGA CGGTGAGCTT CAGATCGACG AGTTTCCCAT CC 582

Name: 51 Len: 523 Check: 1887  
 GGTGAGCTGC GACGTGACTG GCTAGCTGCG TGGGTACTGG AACAGCAAAA CGAGGCAGCG 60  
 AGCGAAGGAC GGGAGCCGGA CCCTGGGCCC CGTGGAATC CAGCCTGCGC CACCACGTCA120  
 CGCACACGCT CGGCGCTGCG ATCCGCGCAT ATAACGATAT TTGGATTTGA CCTGCATTTT180  
 GGAATTTATC TACACTTAAA ATGCCACCAG CAGTTGGAGG TCCAGTTGGA TACACCCCCC240  
 CAGATGGAGG CTGGGGCTGG GCAGTGGTAA TTGGAGCTTT CATTTCCATC GGCTTCTCTT300  
 ATGCATTTCC CAAATCAATT ACTGTCTTCT TCAAAGAGAT TGAAGGTATA TTCCATGCCA360  
 CCACCAAGCA AGTGTCTATG AATATCCTCC ATAATGTTGG CTGTCATGTA TGGTGGAGGT420  
 CCTATCAGCA GTATCCTGGT GAATAAATAT GGAAGTCGTA TAGTCATGAT TGTTGGTGGC480  
 TGCTTGTTCAG GCTGTGGCTT GAATTGCAGC TTCNTTCTGT AAN 523

Name: 52 Len: 348 Check: 1165  
 GCANGCGCAA NTACCGGCGC TCGCCAAGGA CCCTGGAAGC TACCGTTACC CCGCCGGCAG 60  
 CGTGGGCNCA TGAGCAGCTC GGGACTGAAT TCGGAGAAGG TAGCTGCTCT GATACAGAAA120  
 CTGAATTCCG ACCCCAGTT CGTACTTGCC CAGAATGTCG GGACCACCCA CGACCTGCTG180  
 GACATCTGTC TGAAGCGGGC CACGGTGCAG CGCGCGCANA TGGTGTTCCT GCACGCCGTG240  
 CCCCAGGAGG GAAAGCCAAT CACCAACCAG AAGAGCTCAG GGCGATGCTG GATCTTTTCT300  
 TGTCTGAATG TTATGAGGCT TCCATTCTATG AAAAAGTTAA ATATTGAA 348

Name: 53 Len: 355 Check: 1808  
 GCGGCGNCG GCGGCGTANT ANGNAGGGTG CACAGAGAAC ACCCCTAGCA TGAACAGTGT 60  
 GAGGATTCCA CCAGCTTTTT CACCATGAAG GAGACAGACC GGGAGCCGTT GCGACANAGG120  
 TGCAAAGGGT TGCTGGGATG CTCCAGCGCC CGGACCAGCT GGACAAGGTG GAGCAGTATC180  
 GCAGGAGAGA AGCGCGGAAG AAGGCCCTCCG TGGACANGAA TTTGAAGAGA GCGGATCTGA240  
 AAGCTCAGGT GCCCGATTCT GTCTGTGGG TCAGCCGTCC TGGGGCCAAG TTGTGGTGTCT300  
 GGCTGAACAG CAGGAACCTC CCCGCCCAA AGCCAGTTGA AGTTCTCTGAC CGTTC 355

Name: 54 Len: 330 Check: 2652  
 AACNATGCNG TTTTCTCCTT CTACACACTT GGGCGTCATG TCTGGAGCTG CAGAGGAGGT 60  
 GGCCACTGGA GCAGAGGTGG TGGATCTGCT GGTGGCCATG TGTAGGGCAG CTTTAGAGTC120  
 CCCTAGAAAG AGCATCATCT TTGAGCCTTA TCCCTCTGTG GTGGACCCCA CTGATCCCAA180  
 GACTCTGGCC TTTAACCTTA AGAAGAAGAA TTATGAAGCG GCTTCAGAAA GCTCTGGGAT240  
 AGTGTGATGT CTATTCCGGG AGATGACCCA GGGCTCATAA TTTGGAAATC AAGAAACAGA300  
 TGGACAAAGT TTGGATCCCC CTGGGCCCAT 330

Name: 55 Len: 451 Check: 1D60  
 TCNGACAGAA AAGCTGTACG TTATATGTTG GAAATCTTTC TTTTACACA ACTGAAGAAC 60

222

AAATCTATGA ACTCTTCAGC AAAAGTGGTG ACATAAAGAA AATCATTATG GGTCTGGATA120  
 AAATGAAGAA AACAGCATGT GGATTCTGTT TTGTGGAATA TTAATCAGCG GCAGATGCGG180  
 AAAACGCCAT GCGGTACATA AATGGGACGC GTCTGGATGA CCGAATCATT CGCACAGACT240  
 GGGACGCAGG CTTTAAAGGAG GGCAGGCAAT ACGGCCGTGG NGAACTCTGGG GGCCAGGTTTC300  
 CGGGATGAAG TATCCGGCAG GACTACCGAT GCTGGGAAGA GGAGGCTAAT GGGAAAAGT360  
 GCACAGAACC AGTGAGTGGT TGAGAGCTCT GTCAGTGACA AACACTCCTT TGGCCTGTTT420  
 GAATTTGCTG AAGAACATCA CCTAAAGTCG G 451

Name: 56 Len: 355 Check: 1FCB  
 GGATGTGGAG TGATGGGAAC GGTTCACATA CTGACTGTGG ATCTCAAGTA TACCATTGAA 60  
 AACCACAGGC ACTTTGTGGA CTCACACCAG CAGAAGCCTG TTAATGCTAT CATCGAGCAT120  
 GTGCGGGACG GCAGTGTGGT CAGGGCCCTG CTCCTCCAG ATTACTACCT GGTACAGTC180  
 ATGCTGTCAG GCATCAAGTG CCAACTTTT CGACGGGAAG CAGATGGCAG TGAACCTCCA240  
 GAGCCTTTTG CTGCAGAAGC CAAATTTTTC ACTGAGTCGC GACTGCTTCA GAGAGATGTT300  
 CAGATCATTG TGGAGAGCTG CCACAACCAG AACATTCTGG GTACCATCCT TCATC 355

Name: 57 Len: 468 Check: 291  
 TTGTTCTGGA TTCCCGTCGT AACTTAAAGG GAAATTTTCA CAATGTCCGG AGCCCTTGAT 60  
 GTCCTGCAAA TGAAGGAGGA GGATGTCTT AAGTTCCTTG CAGCAGGAAC CCACTTAGGT120  
 GGCACCAATC TTGACTTCCA GATGGAACAG TACATCTATA AAAGGAAAAG TGATGGCATC180  
 TATATCATAA ATCTCAAGAG GACCTGGGAG AAGCTTCTGC TGGCAGCTCG TGCAATTGTT240  
 GCCATTGAAA ACCCTGCTGA TGTCAGTGT ATATCCTCCA GGAATACTGG CCAGAGGGCT300  
 GTGCTGAAGT TTGCTGCTGC CACTGGAGCC ACTCCAATTG CTGGCCGCTT CACTCCTGGA360  
 ACCTTCACTA ACCAGATCCA GGCAGCCTC CGGGAGCCAC GGCTTCTGT GGTACTGAC420  
 CCAGGGCTGA CCACAGCTCT CAAGGGGCAT CTTATGTTAC CTACCTAC 463

Name: 58 Len: 394 Check: E20  
 ACAGTGTGCC TTCAGCCCCG GACTCGGAC TCGGCTCAGA CTCCGGTTCT TTGTTTCTG 60  
 GAAGGTGGCA CGGGGACTCA GGCGGCCAGG GTCGAGGGCC AGGTCCAAG TCACAGAGCT120  
 TTGGAGGTCA CCTGTAGGCG GTCGCAGGGA CGGCGTTGAG ACAGGAATC CTGGGTGGA180  
 CAATGAGCAG GGTGGGAGAC AGGGGCTTGG GATGGGGGAC TCCAGAGGTC AGGGTGTCT240  
 GGGTTGGAGG GGAGGGGACT CACGGCTCCC AAGCAGGTTT TTAGAACGTT TGTCATGTA300  
 AAGGCAGATG TTGACTGTA CCAGGGTCTG CTCAGAGACC ACCTGCTCCC GACACTCAA360  
 CGCAGACCTG GGGATCTCGG CAGGTATGAA CTGC 394

Name: 59 Len: 296 Check: 10B1  
 GCCAGGCGTA CTGACAGGTG GACCAGCGGA CTGGTGGAGA TGGCGACGCT CTCTCTGACC 60  
 GTGAATTCAG GAGACCTCC GCTAGGAGCT TTGCTGGCAG TAGAACACGT GAAAGACGAT120  
 GTCAGCATTT CCGTTGAAGA AGGGAAAAGAG AATATTCTTC ATGTTTCTGA AAATGTGATA180  
 TTCACAGATG TGAATCTAT ACTTCGCTAC TTGGCTAGAG TTGCAACTAC AGCTGGGGTA240  
 TATGGCTCTA ATCTGATGGA CCATACTTTA GATTGATCAC TTGGTTGGTA GGTTTA 296

Name: 6 Len: 573 Check: EDF  
 GCGACNCGCC GAGCCTCGTC AGCCTGCGCA GCCCCTCACA GGAGGCCCCAG CCCGAGTGCA 60  
 GTCCAGAAGC CCCCCAGCG GAGGCGNCAG AGTAAAAGAG CAAGCTTTTG TGAGATAATC120  
 GAAGAACTTT TCTCCCCGT TTGTTTGTG GAGTGGTGCC AGGTACTGGT TTTGGAGAAC180  
 TTGTCTACAA CCAGGGATTG ATTTTAAAGA TGCTTTTTT TATTTTACTT TTTTTTAAAGC240  
 ACCAAATTTT GTTGTTTTTT TTTTTTCTCC CCTCCCCACA GATCCCATCT CAAATCATT300  
 TGTTAACCAC CATTCCAACA GGTGAGGAG AGCTTAAACA CCTTCTTCTT CTGCTTGT360  
 TCTCTTTTAT TTTTTATTTT TTCGCATCAG TATTAATGTT TTTTGCAATC TTTGCATCT420  
 TATTCAAAAG TGTAACCTTT CTTTGGTCNA ATCTATGGGA CATGGCCCAT ATATGGAAGG480  
 AGATGGGGTG GGGTCAAAAA GGGGATATCA AATGAAAGTG GATAGGGGGC CACAATGGGG540  
 GAAATTGAAG TGGGGGNATA ACATGGCCAA AAT 573

Name: 60 Len: 426 Check: BE0  
 CGGGACTCCC GGGAGGTGGA CCGGCAGAAG AGGGGGCTAG CTAGCTAGTC TGTGCGGACC 60  
 AGGGAGACCC CCGCGCCCCC CCGGTGTGAG GCGGCCTCAC AGGGCCGGGT GGGCTGGCGA120  
 GCGACGCGCG CGCAGGAGGC TGTGAGGAGT GTGTGGAACA GGACCCGGGA CAGAGGAAC180  
 ATGGCTCCGC AGAACCTGAG CACCTTTTGC CTGTTGCTGC TATACCTCAT CGGGGCGGTG240  
 ATTGCCGGAC GAGATTCTTA TAAGATCTTA GGGGTGCCTC GAAGTGCCCT TATAAAGGAT300  
 ATTAARAGG CCTATAGGAA ACTAGCCCTG CAGCTTCATC CCGACCGGAA CCCTGATGAT360  
 CCACAAGCCC AGGAGAAATT CCAGGATCTG GGTGCTGCTT ATGAGGTTCT GTCAGATAGT420  
 GAGAAC 426

Name: 61 Len: 461 Check: 1AA2  
 CGCTTCTCTGT ACAAGGGCGA GGGGCTGAAC AAGATCAGCC ATCGGGGACT ACCTGGGGGA 60  
 GAGGGAAGAA CTGAACCTGG CAGTGCTCCA TGCTTTTGTG GATCTGCATG AGTTCACCGA120  
 CCTCAATCTG GTGCAGGCCC TCAGGCAGTT TCTATGGAGC TTTGCGCTAC CCGGAGAGGC180  
 CCAGAAAATT GACCGGATGA TGGAGGCCT CGCCAGCGA TACTGCCTGT GCAACCTGG240  
 GGTTTTCCAG TCCACAGACA CGTGCTATGT GCTGTCCTTC GCCGTCAATCA TGCTCAACAC300

223

CAGTCTCCAC AATCCCAATG TCCGGGACAA GCCGGGCGCTG GAGCGCTTTG TGGCCATGAA360  
 CCGGGGCGATC AACGAGGGCG GGGACCTGCC TGAGGAGCTG CTCAGGAACC TGTACGACAG420  
 CATCCGAAAT GAGCCCTTCA AGATTCTCTGA GGATGACGGG A 461

Name: 62 Len: 422 Check: 21C3  
 ATCAACAAGG AGATGCTAAA GGTGGAAAG CAGAAAGCCT TGGTCAAGGA TACAGAGCTG 60  
 GACTTGCAATG GGTATTAGGA GATGCTGAAG AACTGCCCTT TGATGATGAC AAGTTTGATA120  
 TTTACACCAT TGCCTTTGGG ATCCGGAATG TCACACACAT TGATCAGGCA CTCCAGGAAG180  
 CTCATCGGGT GCTGAAACCA GGAGGACGGT TTCTCTGTCT GGAATTTAGC CAAGTGAACA240  
 ATCCCTCAT ATCCAGGCTT TATGATCTAT ATAGCTTCCA GGTCATCCCT GTCCTGGGAG300  
 AGGTCATCGC TGGAGACTGG AAGCCTATCA GTACCTTGTA GAGAGTATCC GAAGTTTCCG360  
 TCTCAGGAAG AGTTCAAGGA CATGATAGAA GATGCGAGGCT TTCACAAGGT GACTTACGAA420  
 AG 422

Name: 63 Len: 280 Check: C60  
 AGAAGTAGAG CAGAAGAAGA AGCGGACCTT CCGCAAGTTC ACCTACCGCG GCGTGGACCT 60  
 CGACCAGCTG CTGGACATGT CCTACGAGCA GCTGATGCAG CTGTACAGTG CGCGCCAGGC120  
 GCGGGCTGAA CCGGGGCGCTG CCGCGGAAGC AGCACTCCCT GCTGAAGCGC CTGCGCAAGG180  
 CCAAGAAGGA GCGCGCGCCC ATGGAGAAGC CGGAAGTGGT GAAGACGCAC CTTCCGGGACA240  
 TGATCATCCT ACCCGAGATG GTGGGCAGCA TGGTGGGCGT 280

Name: 64 Len: 408 Check: A6C  
 CTGGGAGATG AAACAGAGGA AGAAGAAACA AAGCCCATTG AGCTCCCTGT CAAAGAGGAA 60  
 GAACCCCTG AAAAACTGT TGATGTGGCA GCAGAGAAGA AAGTGGTGAA AATTACATCT120  
 GAAATACCAAC AGACTGAGAG AATGCAGAAG AGGGCTGAAC GATTCANTGT ACCTNTGAGC180  
 TTGGAGAGTA AGAAAGCTG TCGGGCAGCT AGGTTTGGGA TTTCTTCAGT TCCAACAAA240  
 GGTCTGTCTAT CTGATAACAA ACCTATGGTT AACTTGGGAT AAGCTGAAGG AAAGAGCTCC300  
 AAAGATTTGG TTTGAATGTC TCTTCAATCT CCAGAAAGTC TTGAAGATGA TGAGGAAACT360  
 GAAAAAGAGG GAAGGAGCGA TTTGGGGATT GTCACAAGTT CAGCTGGA 408

Name: 65 Len: 463 Check: 10CC  
 AGCCGCTGGG GCGAGGACGG CCGGAGGCTG CTGCTGCTGC CCCC GGCCCG CGCGGCTGGA 60  
 AACGGAGAGG CCGAGCCAAG CCGCGGCCCT TCTTATGCTG GGAGGATGCT GGAGAGTAGC120  
 GGCTGCAAAAG GCTGAAGGAG GGCGTGCTGG AGAAGCGCAG ACNNGGTTGT TGCAGCTCTG180  
 GAAGAAAAG TGTGCTATCC TCACCGAGGA AGGGCTGCTG CTTATCCCGC CCAAGCAGCT240  
 GCAACACCAG CAGCAGCAGC AACAGCAGCA GCAGCAGCAG CAACAACAGC CCGGGCAGGG300  
 GCCGGCCGAG CCGTCCCAAC CCAGTGGCCC CGCTGTGCGC AGCCTCGAGC CGCCGGTCAA360  
 GCTCAAGGAA CTGCACTTCT CCAACATGAA GACCGTGGAC TGTGTGGAGC GCAAGGGCAA420  
 GTACATGTAC TTCACTGTGG TGATGGCAGA GGGCAAGGAG ATC 463

Name: 66 Len: 512 Check: 111A  
 CGCGCCAAGG GACGTGTTTC TGCGCTCGCG TGGTCATGGA GGCGCTGCCG CTGCTAGCCG 60  
 CGACAACCTCC GGACCACGGC CGCCACCGAA GCTGCTTCTG CTGCCGCTAC TGCTGTTCTT120  
 GCTGCCGGCT GGAGCTGTGC AGGGCTGGGA GACAGAGGAG AGGCCCCGGA CTCGCGAAGA180  
 GGAGTGCCAC TTCTACGCGG GTGGACAAGT GTACCCGGGA GAGGCATCCC GGGTATCGGT240  
 CGCCGACCAC TCCCTGCACC TAAGCAAAGC GAAGATTTCC AAGCCAGCGC CCACTGGGA300  
 AGGAACAGCT TCGATCGATG GAGAATTTAA GGAGCTGAAG TTAAGTATT ATCGTGGGA360  
 ATACTTGGTT TTCTTCTTCT ACCCACTTGA TTTCACATTT GTGTGTCCAA CTGAAATTAT420  
 CGCTTTTGGC GACAGACTTG AAGAAATCAG ATCTATAAAT ACTGAAGTGG TAGCATGCTC480  
 TGTTGATTCA CAGTTTACCC ATTTGGCTGG GA 512

Name: 67 Len: 367 Check: 9A2  
 GGAGAGCAAC ATTAGGATCT ACAGCGAGAG GCCCCCTCCT GGCTGAGCAA AGATGACATC 60  
 CGAAGAATGC GACTCTTGGC GGACAGCGCA GTGGNCAGGG CTCCGGCCTG TGTCTCTAG120  
 GAGCGGAGCC GTTTGCTGGT GCTGGAGGGG GGCGCACCTG GCGCTGTGCT CCGCTGTGGC180  
 CCTAGCCCCCT GTGGGCTTCT CAAGCAGCCC TTGGACATGA GTGAGGTGTT TGCCTTCCAC240  
 CTAGACAGGA TCCTGGGGCT CAACAGGACC CTGCCGTCTG TGAGCAGGAA AGCAGAGTTC300  
 ATCCAGATG GCGNCCATG CCCCATCATT CTTTGGGATG CATCTTTATC TTCAGCAAGT360  
 AATGACA 367

Name: 68 Len: 402 Check: 19DD  
 TGCAGATGTA GATCCTGAAA ACCAGAACTT TTTACTTGAA TCGAATTTGG GGAAGAAGAA 60  
 GTATGAAACA GAATTTCTAT CAGGTACTAC TTCCCTTTGGA ATGTCAGTAT TTAATCTGAG120  
 CAATGCGATT GTGGGCAAGT GAATCCTTGG GCTTTCTTAT GCCATGGCTA ATACTGGAAT180  
 TGCTCTTTTT ATAATCTCTT TGACATTTGT GTCAATATTT TCCCTGTATT CTGTTCTATCT240  
 CCTTTTGAAG ACTGCCAATG AAGGAGGGTC TTTATTATAT GAACAATTGG GATATAAGGC300  
 ATTTGGATTA GTTGGAAGC TTGCAGCATC TGGATCAATT ACAATGCAGA ACATTGGAGC360  
 TATGTCAAGC TACCTCTTCA TAGTGAAATA TGAGTTGCCT TT 402

Name: 69 Len: 545 Check: 240C  
 GCGGCGTGCG GCACGTNNCA GGGCTGAAGC GCGGCGGCG GTGGGGNCTG CACGTAGCCC 60

224

GGCGCTCGGC ATGGCTCTCC TGGTGCTCGG TCTGGTGAGC TGTACCTTCT TTCTGGCAGT120  
 GAATGGTCTG TATTCCTCTA GTGATGATGT GATCGAATTA ACTCCATCAA ATTTCAACCG180  
 AGAAGTTATT CAGAGTGATA GTTTGTGGCT TGTAGAATTC TATGCTCCAT GGTGTGGTCA240  
 CTGTCAAAGA TTAACACCAG AATGGAAGAA AGCAGCAACT GCATTAAAAG ATGTTGTCAA300  
 AGTTGGTGCA GTTGATGCAG ATAAGCATCA TTCCCTAGGA GGTCAGTATG GTGTTGAGGG360  
 ATTTCCCTACC ATTAAGATTT TTGGATCCAA CAAAACAGA CCAGAAGATT ACCAAGGTGG420  
 CAGAACTGGT GAAGCCATTG TAGATGCTGC GCTGAGTGCT CTGCGCCANT CGTGAAGGAT480  
 CGCTCGGGGG ACGAAGCGGA GGATACAGTT CTGGAAAACA AGGCAGAAGT GATAGTTCAA540  
 GTAAG 545

Name: 7 Len: 487 Check: 1EF0  
 TAAGGGTTTC TCTACTATGT CCACTTGGTA AAATGCGGCT GACAATTCGG TGTGCGGGCCC 60  
 TTACATGTTT TCATCTACAA TGTTTTGACG CAACTCTTTA CATTGAGATG AATGAGAAA120  
 AACCAACCTG GGTTTGTCTT GTCTGTGATA AGAAGGCTCC ATATGAACAC CTTATTATTG180  
 ATGGCTTGTT TATGGAATC CTAAAGTACT GTACAGACTG TGATGAAATA CAATTTAAGG240  
 AGGATGGCAC TTGGGACCCG ATGAGATCAA AAAAGGAAGT ACAGGAAGTT TCTGCCTCTT300  
 ACAATGGAGT CGATGGATGC TTGAGCTCCA CATTGGAGCA TCAGGTAGCG TCTCACCACC360  
 AGTCCTCAA TAAAAACAAG AAAGTAGAAG TGATTGACCT AACCATAGAC AGTTCATCTG420  
 ATGAAGAGGA AGAAGAGCCA TCTGCCAAGA GGACCTGTCC TTCCCTATCT CCCACATCNA480  
 CCACTAG 487

Name: 70 Len: 359 Check: 1930  
 GCCTACTGCA CCGCCGACCA CAACGTGAGC CCCAACATCT TCGCCTGGGT CTACAGGGAG 60  
 ATCAATGATG ACCTGTCTTA CCAGATGGAC TGCCACGCCG TGNAGTGCGA GAGCAAGCTC120  
 GAGGCCAAGA AACTGGCCCC CGCCATGATG GAGGCCCTCA GGAAGACTTT CCACAGTATG180  
 AAGAGCGACG GCGGGATCCA CAGCAACAGC TCCTCCGAAG AGGTTTCCCA GGAATTGGAA240  
 TCCGATGATG GCTGAATGAA CTTTNAGACG CTTNAGCAA GGCAGCATG GTCACGGGGT300  
 TCAAGGGAAT TAGATTGAGT AAGCAACGTT TCAATTTGG GATGAAAGAT TTCCAAATT 359

Name: 71 Len: 392 Check: 1BC4  
 CTATGTNGCA ATTCCAAGAC CAAGTCAGTA GTATTACAGC TGGCTGATGG CCAGATATTT 60  
 AAGTACCTTT GGGAGTCACC TTCTCTGGCT ATTAACCCTT GGATGAACTC TGGTGGATTT120  
 CCTGTTTCGGT TTCCTTATCC ATGCACCCAG ACCGAATTGG CCATGATTGG AGAAGAGGAA180  
 TGTNTCCTTG GTCTGACTGA CAGGTGTGCG TTTTTCATCA ATGACATTGA GGTGCGTCA240  
 AATATCACGT CATTTGCAGT ATATGATGAG TTTTATTGT TGACAACCCA TTCCCATACC300  
 TGCCANTGTT TTTGCCCTGAG GGATGCTTCA TTTAAACAT TACAGGCCGG CCTGAGCAGC360  
 AATTGATGTG TCCCATGGGG AAGTTTCTGC GG 392

Name: 72 Len: 344 Check: 65D  
 GAGTTCACAG ACCGCACTTT GGCACGTTGT CCTCACTGCA GGAAAGTGTC ATCTATTGGG 60  
 CGCAGATACC CACGTAAGAN ATGTATCTNC TGCTTCTTGC TTGGCTTGCT TTGGCAGTC120  
 ACTGCCACTG GCCTTGNCCT TGGCACATGG AAGCATGCAC GGCGATATGG AGGCATCTAT180  
 GCAGCCTGGG CATTTNTCAT CCTGTTGGCT GTGCTGTGTT TGGGCCGGGC TCTTTATTGG240  
 GCCTGTATGA AGGTGAGCCA CCCTGTCCAG AACTTCTCCT GAGCCTGATG ACCCACAGAC300  
 TGTGCCTGGN CCCTCCCTGG TGGGGACAGT GACACTACGA AGGG 344

Name: 73 Len: 311 Check: 1E74  
 GTGGGATGGG GTGCCCTTCA TCCTGCGCTG CGGCAAGGCC CTGAACGAGC GCAAGGCCGA 60  
 GGTGAGGCTG CAGTTCCATG ATGTGGCCGG CGACATCTTC CACCAGCAGT GCAAGCGCAA120  
 CGAGCTGGTN ATCCGCGTGC AGCCCAACGA GGCCGTGTAC ACCAAGATGA TGACCAAGAA180  
 GCGGGGCATG TTCTTCAACC CCGAGGAGTC GGAGCTGGAC CTGACCTACG GCAACAGATA240  
 CAAGAACGTG AAGCTCCCTG ACGCCTATGA GCGCCTCATC CTGGACGTCT TCTGCGGGAC300  
 CAGATGCACT T 311

Name: 74 Len: 176 Check: 1B5C  
 CTGTTCTTTG GAAATGTTTG ATGCTACTCT GAAAGATCGA GAACTGAGCT TTCAGTCGGC 60  
 TCCAGGTACT ACCATGTTTC TGCATTGGCT AGTGGGAATG GTATATGTNT TCTACTTTGC120  
 CTCCTTCATT CTACTACTGA GAGAGGTACT TNGACCTGGT GTCCTGTGGT TTCTAA 176

Name: 75 Len: 276 Check: 120F  
 CCAAGATTGG TTCCAGCGCC AGTACCTGTC AACTCCAGAT AGTCAGTCTC TGCGCTGTGA 60  
 CCTCATTCGC TACATCTGTG GGGTAGTCCA NCCTTCTAAT GAAGTACTGA GTTCAGATAT120  
 CTGCCCCGGG TGGGCCATCA TTGGTTGGCT CCGTACAACG TGCACGTCAA ATGTCGCTGC180  
 CTCCAATGCC AAGCTGGCTT TGTTTTATGA CTGGCTGTTC TTTAGTCCAG ACAAGGATAG240  
 CATTATGAAC ATAGAACCAG CCATCCTGGT CATGCA 276

Name: 76 Len: 310 Check: 21A5  
 ACACCCTCCT GTGCAATGGG TATTGGCTTG CCTGGCTGAT TCATGTGGGA GAGTCCTTGT 60  
 ATGCCATAGT ATTTGTGCAAG CATAAAGGCA TCACAAGTGG TCGGGCTCAG CTACTCTGGT120  
 TCCTACAGAC TTTCTTCTTT GGGATAGCGT CTCTACCAT CTTGATTGCT TACAAACGGA180  
 AGCGCCAAA ACAAACTTGA AGTTGTCTGA AAGCTTGCTC TACACTTTTA CATTATCCT240



223

CACCCITTTT TTTGTGGGGT AGAGGAGGTT GCAGTANTTT ACTCAGTGAT CTTTCTACTT300  
TCTAGAAACT 310

Name: 77 Len: 295 Check: 102E  
CCTCACTGCT ATGGGCGGCA ACAAGAAGAA GAAGCGAGAT GGTGACGACC GCGGGCCGAG 60  
GCTCGTTCTT AGCTTCGACG AGGAGAAGAG GCGGGAGTAC CTGACAGGCT TCCACAAGCG120  
GAAGGTCGAG CGAAAGAAGG CAGCCATTGA GGAGATTAAG CAGCGGCTGA AAGAGGAGCA180  
GAGGAAGCTT CCGGAGGAGC GCCACCAGGA ATACTTGAAG ATGCTGGCAG AGAGAGAAGA240  
GGCTCTNGAG GAGGCAGATG AGCTGGACCG GTTGGTGACA GCAAAGACGG AGTCG 295

Name: 78 Len: 406 Check: 233D  
CAAAAAGCTG GTNGCCTCCA GACCCGACTT TTTCAACCAG GAGCACCAGA CACGGGATGT 60  
GGACTGTGTC CTCACAACAG GAGAAGTTTT CAGGTTGCTG GNGGNAGAGG GGGCTCGGG120  
GGCTACCTGG AGCACGTGTT CCGGCACGCG GCCCGAGAGC TCTTTGGAAT CCATGTGGCT180  
GAGGTTACCT ACAAACCCCT GAGGAACAAA GACTTCCAGG AGGTGACACT NGAGAAGGAG240  
GGCCAGGTGC TGCTGCACCT CGCAATGGCG TACGGCTTCC GCAACATCCA GAACCTGGTG300  
CAGAGGCTCA AACGAGGGCG CTGCCCCCTAC CACTACGTGN AGGTGATGGC CTGCCCCCTCA360  
GGCTGCCTGA ACGGCGGGGG GCCAGCTCCA GGTCCCAGAC AAGGCC 406

Name: 79 Len: 288 Check: 18D6  
AAGAAGGAGA GGAAGGAGAA GAGACGGCAG AGGANGGGGG AAGAGTGCGC CCTGCCTGGC 60  
CTCACTTGCT TCACGCATGA CAACAACCAC TGGCAGACAG CCCCCTTNTG GAACCTGGGA120  
TCTTTCTGTG CTTGCACGAG TTCTAACAAT AACACCTACT GGTGTTTGCN TACAGTTAAT180  
GAGACGCATA ATTTNNTTTT CTGTGAGTTT GCTACTGGCT TTTTGGAGTA TTNNGATATG240  
AATACAGATC CTTATCAGCT CCAAAATACA GTGCACACGG TTAGAACC 288

Name: 8 Len: 168 Check: E5E  
CAAATTTGTG TTGTATATAT TCGTATTCCA TGTGTTAGAT GGAAGCATTT CCTATCCAGT 60  
GTGAATAAAA AGAACAGTTG TAGTAAATTA TTATAAAGCC GATGATATTT CATGGCAGGT120  
TATTCTACCA AGCTGTGCTT GTTGGTNTTT TCCCATGACT GTAATGCT 168

Name: 80 Len: 322 Check: 1995  
AAACAGCAGC TGGTGGTTAA CAAGTGGATC GTCATGTTCA GTAGTTTATA CATTATGTGA 60  
GAAGTAACGT TCTGATTCTT TTTCTTACAC AGAATTGGCA GAGGGGGTCG ATTTGGGAGG120  
AAAGGTGTGG CTATAAACCT TGTTACTGAA GAAGACAAGA GGATTCTTCG TGACATTGAG180  
ACTTTCTACA ATACTACAGT GGAGGAGATG CCCATGAATG TGGCTGACCT TATTTAATTC240  
CTGGGATGAG AGTTTTGGAT GCAGTGCTCG CTGTTGCTGA ATAGGCGATC ACAACGTGCA300  
TTGTGCTTCT TTCTTTTGGG GA 322

Name: 81 Len: 361 Check: 2C4  
ATTCTCTAAA ATGCTTAATG CCTTTGAAAT TTTGTAATCA AAAAAAGCT TTGAAAAAT 60  
CTAAAGGGGA GAGTATTCTT TAAAGTTTTT AACATAAGCT TGTCAATGCA CATGTAGATG120  
GTTAGCATGT TTAGCAAACC TTGTGAAATT ATAATAAGTT TGTAGTTACA TGTGAAACTC180  
TAAATGCATG GCAACTGTTA ATGTCATAAC AGTTTAGTTA TTTTGTCTCG TTCTGTCTG240  
TGCCACAAAA TATGTACTTT TTTCACTTTT TTCCCTTTGT ATATCAGTTA CGGGTTACAA300  
CTGGTTTCATT CTGAAAAACA CAACAACAAA AGTCCATTCA TATTTTTTAA CCATTGTATA360  
G 361

Name: 82 Len: 206 Check: 7A3  
TTTTTTTTTT TAGTAGTTGC AACTTCAGCA CATCTTTATT AGAACTCTTT CATTGTGGGT 60  
AAACAGCCAC AAAAATAAAT GCTGACTTAG AAAGTATAAA CGCAATATT TAAACAAAA120  
TGTTTGCAGC ATTCATAGCG CAAATTGTAC CTGAAGTGA AAGCCGAATT CTGCAGATAT180  
CCATCACACT GCGGCGCGCT CGAGCA 206

Name: 83 Len: 563 Check: 815  
CATCAGCTCT CTTCGTTGCT GTGGGAACAC TGGCCAGAGG TGTACCACTG CGAGGCGACT 60  
GTTTATACAT GAAAGCATCC ATGATGAGGT TGTAACAGA CTTAAAAAGG CCTATGCACA120  
GATCCGAGTT GGAACCCAT GGGACCCCTAA TGTTCTCTAT GGGCCACTCC ACACCAAGCA180  
GGCAGTGAGC ATGTTTCTTG GAGCAGTGA AGAAGCAAAG AAAGAAGGTG GCACAGTGGT240  
CTATGGGGGG AAGGTTATGG ATCGCCCTGG AAATTATGTA GAACCGACAA TTGTGACAGG300  
TCTTGGCCAC GATGCGTCCA TTGCACACAC AGAGACTTTT GCTCCGATTC TCTATGTCTT360  
TAAATTCAAG AATGAAGAAG AGGTCTTTGC ATGGAATAAT GAAGTAAAC AGGGACTTTC420  
AAGTAGCATC TTTACCAAAG ATCTGGGCAG AATCTTTTCG TGGCTTGGAC CTAAGGATC480  
AGACTGTGGC ATTGTAAATG TCAACATTCC AACAAGTGGG GCTGAGATTG GAGGTGCCTT540  
TGGAGGAGAA AAGCACACTG GTG 563

Name: 84 Len: 450 Check: 97B  
ATTTGGTGTG TTCATGAACA CGCTAAATGG CTTGGTAAAT GGGTGTGGTT CAAAGCCTGA 60  
TGCTTCAAGA TCTCTGGTTT GAATTTGGTC ACAACCAGGA AGTATTGCCC CTTTTCTGT120  
CTGGGTCTCT AATAGGAACT TTTCATACCA GCCATAACA ATCCAGATGG CTGCCACGTG180  
GTCCTTACCA GTGAGAGGCG TCACACAGCA CACACTGCAT GAATGGGAT GAAATCATTC240  
CTGAATTAAT ATAGGGTTAT ATTACTTGA CCTCAGCCAT TTGAGCCTCA GTGTCTGCAT300

226

CATATGTGTT TAGTATATGG ACATCTAACT GAAATTATTA ACGTGGCAAT TTATGCGTGC360  
 CTTTTTTTGGGA AATATTCTAT TTTAATGGAA AGAATTATGT AGAAATACTG GATACATTTT420  
 TAAAAACATC CATAATTACAC CATCTTGACA 450

Name: 85 Len: 320 Check: 75F  
 CCATTAGTGT TCACACTCAG ACATTTTTTG CCAGCTCTAA GGTAACCTCA TCTATAGCTG 60  
 CTCAGACTGA TGCATTTATG GACACCTGTT TCCAGTCAGG TGGGGTCTCC AGAGAACTC120  
 AAACCACTGG GATAGAAAGT CCAACGGATG ACCATGTACA GATGGACCAA GCTGGAATGT180  
 GCGGAGACAT TTTTGAGAGT GTTCATTCAT CATATAATGT TGCTACAGGT AACATTATAA240  
 GCAACAGTTT AGTAGCAGAG ACAGTAACCT ATAGTTTGT ACCTCAGAAAT GAGCCTAAGA300  
 CTTTAAATCA AGATATTGAG 320

Name: 86 Len: 524 Check: 1602  
 AATTCGGCAC AGGGTGGGTC TTTGAGTTTC AGTGAGTTTG CTGAAATGTC GAAGAAGTAG 60  
 TTCCAAACTT CAATGTTCAA TGAAATTTTT GTTCAAGTTT GAAATGGAGA GAGCAGCTAT120  
 AAAAGGTACT AAGCCTTTTA CAAATTGGTG AGTACTGGCA CATGAGATCT AGAGCAGGAG180  
 CAACTTCTCA CACATAGTAA GTGGGAAAAG AAAGTGCTTT GAAAGTCCCT CCCTCACCTA240  
 CACAGTAGTC GTCATGTCGA GACCTGCCAG AGAGAGACAC ATTCTCAAGT GAATCCTGGC300  
 TTCTTGGAAG CGCTTGCCCTA GACGAGACAC AGTGCATAAA AACAACCTTT GGGGGACAGG360  
 TATGTTTTCT TGCAGCTGCG GTTGTAAGGT CTGGGCAAGA CAAGCAGTGT GGGCAGAATT420  
 TTGAACCTCT GATGAATGTG TAATGCAAAG GACCTTGATC ATTTTTTTGT TTCAAGGTCC480  
 TCAAAATGAG CACATGAAGA GGTTGCTGTG AAACCTTAAG TGGC 524

Name: 87 Len: 439 Check: 2297  
 CTCTGGGCCC CTCTCTTGGG TCTGTGCTGC AGTCTGGCCG CTGCTGATCG CCACACCGTC 60  
 TTCTGGAACA GTTCAAATCC CAAGTTCGGG AATGAGGACT ACACCATACA TGTGCAGCTG120  
 AATGACTACG TGGACATCAT CTGTCCGCAC TATGAAGATC ACTCTGTGGC AGACGCTGCC180  
 ATGGAGCAGT ACATACTGTA CCTGGTGGAG CATGAGGAGT ACCAGCTGTG CCAGCCCCAG240  
 TCCAAGGACC AAGTCCGCTG GCAGTGCAAC CGGCCCCAGT CCAAGCATGG CCCGGAGAAG300  
 CTGTCTGAGA AGTTCACGCG CTTCACACCT TTCACCCTGG GCAAGGAGTT CAAAGAAGGA360  
 CACAGCTACT ACTACATCTC CAAACCCATC CACCAGCATG AAGACCGCTG CTTGAGGTTG420  
 AAGGTAACCTG TCAGTGGCA 439

Name: 88 Len: 376 Check: 233  
 TGAATTGAAG GAGCTGCAAA AAACCTTTGA AATCTCCATT GGGAGAAAAG ATGAGGTGAT 60  
 TTCTAGCTTG TCTCATGCCA TAGGAAGCAA AAGGAAAAGA TAGAGTTGAT GAGAACATTC120  
 TTCCACTGGC GAATCGGCCA TGTCAGAGCC AGACAGGATG TTTATGAAGG TAAACTAGCT180  
 GACCAGTACT ACCAGAGAAC TTTACTGAAG AAAGTCTGGA AAGTCTGGCG TTCCGTAGTG240  
 CAAAAGCAGT GGAAGATGT GGTAGAAAAGA GCTTGTCAG CAAGAGCTGA AGAAGTTTGT300  
 ATCCAGATTT CCAATGATTA TGAAGCCAAA GTTGCTATGT TATCTGGAGC TTTGGAAAAT360  
 GCAAAAGCTG AGATTC 376

Name: 89 Len: 341 Check: 7BF  
 GTGAGAACAG GTCCTACGAG GGCACCTCTGT ACAAGAAGGG GGCCTTCATG AAGCCTTGGA 60  
 AGGCCCCGCTG GTTCGTGCTG GACAAGACCA AGCACCAGCT GCGCTACTAC GACCACCGTG120  
 TGGACACAGA GTGCAAGGGT GTCATCGACT TGGCGGAGGT GGAGGCTGTG GCACCTGGCA180  
 CGCCCCACTAT GGGTGCCCCCT AAGACTGTGG ACGAGAAGGC CTCTTTTGAC GTGAAGACAA240  
 CGCGTCGCTT TACAACCTCT GTGCCCAGGA CGTGCCCTCG GCCCAGCAGT GGGTGGACCG300  
 GATCCAGAGC TGCCCTGTGCG ACGCCTGAGC CTCCCAGCCC T 341

Name: 9 Len: 219 Check: 327  
 AGAGAGTGGT TCAAAGTAGA AGATGCTATC AAAGTTCTCC AGTGTCTATA ACCTGTACAT 60  
 GCAGAGTATC TGGAAAAGCT AAAGCTGGGT TGTTCCCCAG CCAATGGAAA TTCTACAGTC120  
 CCTTCCCTTC CGGATAATAA TGCCTTGTTT GTAACCGCTG CACAGACCTC TGGGTTGCCA180  
 TCTAGTGTA GATAGAGAGA ACTGGGTAGG CCTCTCCCA 219

Name: 90 Len: 394 Check: B4E  
 CTTGGCGTTA CCAGTTATTA CCCAAGATGG AGATTGGACC AGTATCATCT TCAAGATTTG 60  
 GTCACATATA TGATGCATCA AAAAGAATGC CACAAGAATC AATTGAGGCT TCAAATGGC120  
 ATGGATTTTT TCTTCCAGAG AAAATATCTT CAACTCTCAA AGTAGAACCC TGTTCTTTGA180  
 CCCCTGGCTA CACAAAAGCTG CTTCAAGTTT TCCAGAACAT CATTTATGAG GAAGGATTTG240  
 ATGGATCCAA TCCTCAGAAA AAACAGAGAA ACATTTTAAG AATAGGAATT CAGAATCTTG300  
 GCTCACCTTT ATGGGGAGAC GATATTTGCT GTGAGAAAAT GGTGGCAACA GTCACAGCCT360  
 TACCAAGTTC CTCTATGTT TCCGTGGTCT TCTG 394

Name: 91 Len: 153 Check: 1C06  
 ACCCATGGGA TGAGTGTGTTT ATTCATGCTG TTTCCAGGAA GGGATGTCAA AGCTGGACCA 60  
 GTCGAAACCC TTGGAGGCTT TTTTTCAGT TGGCCACAGG GGTGTTGGAG GCCTGCTTAT120  
 GGGTCTCTGA TGTCGAGAAA CTCCTGCTTG GGG 153

Name: 92 Len: 479 Check: 1FC7  
 CATTGGGCCT CTAGATGCAT GCTCGAGCGG CCGCCAGTGT GATGGATATC TGCAGAATTC 60

227

GGCTTAGCGT GGTGCGGGCC GAGGTACATT CTTGTAGAAC CGGGTTTCGT TTTCCAGTTT120  
TGTAGAAAAA TAGATGTTCC AGCCACCATT TACTTAACTG TCTAATATTT AAGACCAATC180  
AATATGTTCC TGTGAAAGAT GAAAAAGTCT CATGACTAAC TCGTTTTTTT AAAAATTCTT240  
TAAACAAAAA AGTGTGTGTG TGTGTGTGTG TGTGTTTACT CTCAAAGCAC AGCATTTC300  
CAGCAGCAGC CAACATGGGG TTTAGTAGCT TCACTCACCC CTAATAAAG CTTTGAATAA360  
ACCACTGATT TACTACAAAA AACACTGTCC TTGAAAGAAA NGACNGCAGT CATACATGAA420  
CGTGAAACTT GGAATGATCA GGTCTTAAAC ATGGCACTTA AAAAGTTACT TATCAAAAC 479

Name: 93 Len: 560 Check: 25DE  
TTTTTTTTGC CAGTGCCAGG ATAAAAAGCA AAATTTTAAA TTGGAAAATG TCTAGCACTT 60  
TACACAGTGG AATGAAAGAA TACGAAATTC AAAAACATTA TTAAAAGTCC ATATGCCGCA120  
GCAGCAGCGC CCATGATGAG AGCTCCCCCT CCGAGGCGCT TCTGGAGCAG CTTCTCAAC180  
CTGTCCGGGA GACGGGCTCA GAAGAGCAGG GCCCCATGC TGCCAACCTC GCTTTGCTCC240  
TTAACGAAGA TCTCAAAGTA CTGGTAGATG ATTGTGACTG CGAGCAGGAT CCCGGTTCCA300  
GACCCAATGG CGCCTAGGAA GTCAGCCAGG ACCGAGAGGG CCCCAGTGCA CAGCCCACCA360  
AAGGCCCGGG CTGTGGGGAT GTACCGGTTG AGTTCATGGA CCATGGAGGT CTCTCGGTGG420  
CCTCTCATCA CCATCTGCTG CTCCTTCAGC TGCTTTGCAA CATCTTTGGC AGAGGAACCT480  
GAGACCTCAA TCCACGTTTT GGAGAAGAAT GCACAGGAGC CCAGCATGAA CACTATGTAT540  
ACAACTGCAT GGAACGGGTC 560

Name: 94 Len: 396 Check: 376  
GACCTCTTAC CTTACTGATG CTGGCAAATA ACAAATACAG ATGGTAATAG ACTCTGGAAT 60  
AGTTCTTCAT TTGGTTCCCTC TGCTCAGCCA CCAGGAAGTT AAAGTTCAGA CTGCTGCACT120  
TAGAGCTGTG GGCAACATTG TTAAGTGAAC TGATGGGCAA ACACAAGTAG TTTTGAAGT180  
TGATGCTCTT TCACACTTCC CAGCACTCCT GACACATCCC AAAGAGAAAA TTAATAAAGA240  
AGCAGTGTGG TTCCTCTCCA ACATCACTGC AGGAAATCAG CAGCAGGTAC AGGCAGTAAT300  
TGATGCCAAT CTTGTACCAA TGATAATACA CCTTTTGAT AAGGGGGATT TTGGCCCAAG360  
CAGCTTCTTT TTGAGTGCCA AGTCGACGCG GCGGGA 396

Name: 95 Len: 622 Check: 9F8  
ATGGAGAGTC ACTTAATAAT AAATTTTCTC TATAGTAGGT AAATCCGATG AAAGGCAGCT 60  
GATTTCCAAAC AAAAGCTTTA GGAATTGGGA AGGTTTCTAC ATCTCCTTTG TCATCTTCAA120  
TGTCATCGAA ATTGCTGCTG TCTATGTCAC TGCTGAGTTC AGGTACTACA GGAGCTGCCG180  
TTTCTCTTAT GTTATCCCAA TGCCACTGAT CATTCTTAAA GAAAGGATGC TGTCTGATTT240  
CTTCCACCCC ATTTCTCCCA AGTCGTACCT CCCTATCTGT TAAGAAAGCA CAGATGAGAT300  
TCTTTGCAATG TTTGGAAATT TCTGCATCTT CAGGGAAACA CAGTGAATTC TTATGATCCA360  
TAATTTTGCT ATATGTTCTT ACAAGTGAAT CCGCATAAAA TGGAGTATCC CCCACTAGCA420  
TCTCATAAAG GAAAAACCTT ACAGACCACC AATCACAATC TCGCCCATAG AAACCATCAC480  
CCCCTTGTGA TTTCAGAACCC TCAGGTGATA TATAATCCGG TGTTCCTAAT GCTGTATCAC540  
AATGTACCAT GCCTGTTTCA TCCATCTTCA TACAGGTGCC AAAATCTGCT AATTTTAGAT600  
GGTCATGTTT ATCAGAGAGC AT 622

Name: 96 Len: 445 Check: 123B  
GGAAGGGATG GAAAAAAGGA AAAGCAATAG AAATGTCCA ATTCACATCA GTTATCCGTC 60  
TGCTTTTTCT TGAGAGCTTG TGGAAAGGTG TAACGTGGCT GGGAACATCA ACACCTTGGC120  
ATGCATGAAT GTTAAAGTCAG GAAGGCCAGC GATCACCTTG ATAGCTTCTT CACTTAGGTG180  
CTCTTCTCTT TTCGGTTTCC TGGTAGATGT GCTTGTCTTC TCTACTGTAG ACATGAGTCT240  
TGCAAATGCA TCAGTCACTT TGAGGCTTGA GGTGGAGATT TCCAGCTTAG AAGTTGTTAA300  
CTCATACAAC TCCGGATCCA CACCATCTAA AGGGTTAGTA AGGCCACTGC TACTCCAGTC360  
AAACTGGACG GGTGGTAGAG ACTCCTGGAA CTGATCAGAT GTACATGTGT TCATATCTGG420  
TGACATGGTG GCTGTCTGAC CGATG 445

Name: 97 Len: 541 Check: 147A  
CTTCTTTTCT TTTATCCTGG AGCCCCCTTC TCTCAGGTAC TAGCGTAGAG GTTAAACCCA 60  
CAGATCATTC TTGATAATCT CAGCAATCCT GTCAGCCTCT GGGAGGTATG GTTTGAGAAC120  
CAGCTGAAAA AGCTGTGGCT CGCATCCTGG TTCCCCTGAC GACGGCCTGG GGTCTCTGGC180  
CCCGGTGCCA GCGGATTGGG GTTGAGTGAG ACACCAGCCG GCCTGAGCGG TTGCGCTGGA240  
ACTCCTTGAC AATCACCATG TTTGTGAAGT AGGGGTTAGT CTGGAAGTAC AGCTTCATT300  
TGTAGCCCAT GGAGATATGT CTGAGATCCT GTACCTGCAG AATGGGTCAA GTAGCGGAAA360  
AATGCTCTCA TCACGTCTGGT TGATCAAAAT TGGAATTCTG GGGTGGTTTT GGAAGTATG420  
AGTGGAGTGC TTTGACCCAG AAGCCTGGGA TATGCCGGAT GATGAGGTCT CTGCGCTCCA480  
GGAAGGGTCT TCGCATCTGG ATGAACTTGC GCTTGAGACG CATGAAGGCT TTGCTGCCTT540  
G 541

Name: 98 Len: 384 Check: 4C9  
ATTTGGACCG GCATGCAGGC AACTTCTTTT GTTGTTACAT ACCTGTATTA GGAAAATTAC 60  
ACCCATTTTA CAGAAAAATC CCAAAACATA TACTGCAATA AGCTCAAAAC AATGTGAAAA120  
AGACAGTGT GAATGGCACA CAAAAATCGC CTCTTTATAA ATTAAGTGA ATTCATGATC180  
ATGAAGTAGG CACAGGGAAA TCCAGTCCCT AGGGCTTTGC TCTCTGGAAG AACACCTTTA240

228

AGTAATTTT AAAAAGGTTA GCATCAGGCT GCTGAAGCGC TTGACAAAAC TCCTGAATTA300  
 TTCTGGAGC TACTTGCAAG GAGGGCAGGT ATTCTTGTTG AAGATACTGA ACACATTCTG360  
 GGCCCCGTTT GAGATGAATT GTTT 394

Name: 99 Len: 535 Check: 1D3F

TTTTAATTTA CAAAAGGTAG GCTCCGTTTA TTAGAGTCAC ACACAACTGA CTATCTCAGT 60  
 GTGACTCAAG ACCACAAAAA ACCCATTTCT CCTTCACTTC TGAGTCCTGG GGTTAATACC120  
 TAGACCAGCA AGTGTACTGC TTGGGGTCCA TTCACAGGTT TACAAGTTTT TCATTGAGTG180  
 CAATCTGTGA CTGTGTGAGG TTGGCCAGGT AGGTCACCAT CAAAAGGTCA TTGATGTTGC240  
 TGTGAGCAT GGTCTCAAAG TCATCGGGAA CTATTTTCGG TACTTGTTA ACCAGGCTCA300  
 TCAGGAAGCG GCCCACAGTA TTGTCAGCTG ACACCTTTCC AGACAGTACA TCCTCTGCAT360  
 ATTGCAACAC TGTACTCAGG GCATCCTGGA TGCAGCTGA TGCCCCCTCCT ACTTGCTGCA420  
 AGTCACTTGA GAGTCCAATC ACTCTGTTGG GGCTAAAGCA SGTCTTCATG ATCAGGTCAA480  
 CTCCGATGCG TTCAGTGTCG TAGTACGCGT ATTTCACTGT CAGAGGGGTG AACAT 535

Figur 13

1 T59  
2 T182  
3 T82  
4 T6  
5 T34  
6 N5  
7 N20  
8 N280  
9 N271  
10 N126  
11 T148  
12 N199  
13 T64  
14 N131  
15 T20  
16 T162  
17 T141  
18 N77  
19 N104  
20 T49  
21 T16  
22 N189  
23 N28  
24 T124  
25 T216  
26 T60  
27 T37  
28 T160  
29 N101  
30 N40  
31 T54  
32 T120  
33 N159  
34 T185  
35 N151  
36 T147  
37 N188  
38 T25  
39 T47  
40 T43  
41 T139  
42 T176  
43 N144  
44 T35  
45 T98  
46 T15  
47 T138  
48 N21  
49 T76  
50 T103  
51 T143  
52 T44  
53 N31  
54 T243  
55 N129  
56 T193  
57 T132  
58 T137  
59 T217  
60 T191  
61 N42  
62 T156  
63 T67

64 N196  
65 T21  
66 N34  
67 N134  
68 T119  
69 N36  
70 N209  
71 N256  
72 T105  
73 T75  
74 T153  
75 T189  
76 T86  
77 T111  
78 T144  
79 N192  
80 N103  
81 N270  
82 N255  
83 N61  
84 N137  
85 T174  
86 N22  
87 T2  
88 T237  
89 T19  
90 N156  
91 N59  
92 N235  
92 N248  
92 N249  
92 N252  
92 N257  
93 T38  
94 T121  
95 N10  
96 T129  
97 T66  
98 T36  
99 T40  
100 N1  
101 N212  
102 T100  
103 N112  
104 N3  
105 N238  
106 T183  
107 T238  
108 T166  
109 N29  
110 T225  
111 N175  
112 N142  
113 T72  
114 N186  
115 T212  
116 T196  
117 T48  
118 N132  
119 N158  
120 T69  
121 N7  
122 T245

3

123 N102  
124 T208  
125 N44  
126 T205  
127 T215  
128 N283  
129 T226  
130 T253  
131 T222  
132 N264  
133 T240  
134 N70  
135 T125  
136 N253  
137 N234  
138 N53  
139 N202  
140 N82  
141 T45  
142 T118  
143 T10  
144 N71  
145 N183  
146 N165  
147 N213  
148 N35  
149 N182  
150 N43  
151 N75  
152 T163  
153 T89  
154 N11  
155 N32  
156 T50  
157 N215  
158 N242  
159 N181  
160 N48  
161 T227  
162 N149  
163 N109  
164 N260  
165 T219  
166 T61  
167 N85  
168 N45  
169 T250  
170 N261  
171 T172  
172 N62  
173 N160  
174 N154  
175 N58  
176 T232  
177 N128  
178 N79  
179 T58  
180 N30  
181 T68  
182 T244  
182 T251  
182 T96  
183 N26

4

184 N14  
185 N121  
186 T17  
187 T3  
188 T117  
189 T14  
190 T73  
191 N4  
192 N289  
193 T239  
194 T170  
195 T146  
196 N17  
197 T235  
198 N74  
199 N18  
200 T211  
201 T186  
201 T204  
202 N50  
203 N116  
204 T223  
205 N198  
206 N267  
207 T133  
208 T80  
209 N218  
210 N266  
211 T224  
212 N148  
213 N108  
214 N263  
215 N250  
216 N92  
217 N152  
218 T11  
219 T159  
220 N243  
221 N78  
222 T116  
223 T27  
224 N207  
225 T31  
226 N38  
227 N163  
228 N81  
229 T94  
230 N229  
231 N80  
232 T230  
233 T188  
234 N180  
235 N187  
236 N136  
237 N294  
238 N275  
239 N65  
240 N89  
241 N125  
242 N205  
243 N39  
244 N13  
245 T48



246 T100  
 247 T223  
 248 N104  
 249 N35  
 250 T245  
 251 N32  
 252 T62  
 253 N125  
 254 N180  
 255 N22  
 256 T61  
 257 T125  
 258 T174  
 259 T36  
 260 T19  
 261 T204  
 262 T153  
 263 T27  
 264 T212  
 265 T159  
 266 T226  
 267 T239  
 268 N263  
 269 T66  
 270 N75  
 271 N250  
 272 T175  
 273 N283  
 274 T40  
 275 N152  
 276 N256  
 277 N28  
 278 T160  
 279 T82  
 280 N122  
 281 T170  
 282 N44  
 283 N18  
 284 T103  
 285 N126  
 286 N55  
 287 T42  
 288 T34  
 289 N158  
 290 N21  
 291 N154  
 292 N80  
 293 T189  
 294 T17  
 295 T68  
 296 T14  
 297 T146  
 298 T120  
 299 N181  
 300 N192  
 301 T109  
 302 N215  
 303 T244  
 303 T251  
 304 T96  
 305 T211  
 306 T243  
 307 N218

6

308 T224  
 309 T94  
 310 T183  
 311 N294  
 312 T191  
 313 T88  
 314 T9  
 315 N204  
 316 N175  
 317 N129  
 318 T141  
 319 N188  
 320 N209  
 321 T111  
 322 T144  
 323 N213  
 324 N109  
 325 N62  
 326 T235  
 327 N198  
 328 N148  
 329 N78  
 330 T116  
 331 N46  
 332 N49  
 333 N51  
 334 N52  
 335 T26